

Student:

Teacher:

Date:

<p>1 Solve for x</p> $14 + x = 28$ $x = \underline{\hspace{2cm}}$	<p>2</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{16}{60} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $15 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{11}{88} =$ $\underline{\hspace{2cm}}$	<p>6</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-2 + 16 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $16 + x = 27$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{6} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 2 = 30$ $x = \underline{\hspace{2cm}}$	<p>11</p> $17^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{15}{18} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 414 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 422 \\ \times 52 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 24 = 39$ $x = \underline{\hspace{2cm}}$
<p>17</p> $6 + -8 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $16 - x = 1$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-5 + -5 =$ $\underline{\hspace{2cm}}$	<p>20</p> $12^2 =$ $\underline{\hspace{2cm}}$

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<p>21 Write fraction as a mixed number</p> $\frac{17}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.31 =$ <p>_____</p>	<p>23</p> $1.06 + 1.5 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.53 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.201 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $3.45 - 1.3 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{12}{20} =$ <p>_____</p>	<p>28</p> $\frac{4}{5} \cdot \frac{7}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.04 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-4 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2\frac{1}{7} \\ + 7\frac{3}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{8}{10} =$ <p>_____</p>
<p>33</p> $7 - -16 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 62 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{22}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 9\frac{5}{10} \\ - 6\frac{2}{10} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.42}$	<p>38</p> $-14 - 19 =$ <p>_____</p>	<p>39</p> $40 \overline{)124}$	<p>40</p> $\frac{8}{9} \div \frac{7}{8} =$ <p>_____</p>

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Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 4 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	14	1	0	21.	$5\frac{2}{3}$	2	0
2.	4	1	0	22.	$\frac{31}{100}$	2	0
3.	$\frac{4}{15}$	2	0	23.	2.56	2	0
4.	17	1	0	24.	$\frac{53}{100}$	2	0
5.	$\frac{1}{8}$	1	0	25.	0.3603	3	0
6.	9	1	0	26.	2.15	2	0
7.	14	2	0	27.	0.6	2	0
8.	11	1	0	28.	$\frac{28}{15}$ or $1\frac{13}{15}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.416	2	0
10.	32	1	0	30.	2	3	0
11.	289	1	0	31.	$9\frac{4}{7}$	1	0
12.	$\frac{5}{6}$	1	0	32.	0.8	2	0
13.	10,350	1	0	33.	23	3	0
14.	$\frac{1}{3}$	1	0	34.	31	2	0
15.	21,944	1	0	35.	$4\frac{2}{5}$	2	0
16.	15	1	0	36.	$3\frac{3}{10}$	2	0
17.	-2	2	0	37.	2.1	3	0
18.	15	1	0	38.	-33	3	0
19.	-10	2	0	39.	3 r4; 3.1; $3\frac{4}{40}$; $3\frac{1}{10}$	3	0
20.	144	1	0	40.	$\frac{64}{63}$ or $1\frac{1}{63}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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<p>1 Solve for x</p> $17 + x = 42$ $x = \underline{\hspace{2cm}}$	<p>2</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{14}{26} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $6 + x = 40$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{9} =$ $\underline{\hspace{2cm}}$	<p>6</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-6 + 4 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $37 + x = 40$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{66} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 17 = 4$ $x = \underline{\hspace{2cm}}$	<p>11</p> $16^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{6}{34} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 454 \\ \times 20 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{20} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 542 \\ \times 42 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 12 = 24$ $x = \underline{\hspace{2cm}}$
<p>17</p> $10 + -8 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $21 - x = 3$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-14 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $18^2 =$ $\underline{\hspace{2cm}}$

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<p>21 Write fraction as a mixed number</p> $\frac{17}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.31 =$ <p>_____</p>	<p>23</p> $3.08 + 0.6 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.79 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.214 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $5.37 - 3.3 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{4} =$ <p>_____</p>	<p>28</p> $\frac{3}{2} \cdot \frac{5}{7} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.32 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-3 - -12 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3 \frac{1}{8} \\ + 2 \frac{4}{8} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{8}{10} =$ <p>_____</p>
<p>33</p> $8 - -5 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 68 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{7}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5 \frac{5}{9} \\ - 4 \frac{3}{9} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.50}$	<p>38</p> $-11 - 1 =$ <p>_____</p>	<p>39</p> $22 \overline{)341}$	<p>40</p> $\frac{9}{10} \div \frac{2}{8} =$ <p>_____</p>

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Grade 7, Probe 5 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	$5\frac{2}{3}$	2	0
2.	25	1	0	22.	$\frac{31}{100}$	2	0
3.	$\frac{7}{13}$	2	0	23.	3.68	2	0
4.	34	1	0	24.	$\frac{79}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.1214	3	0
6.	4	1	0	26.	2.07	2	0
7.	-2	2	0	27.	0.25	2	0
8.	3	1	0	28.	$\frac{15}{14}$ or $1\frac{1}{14}$	2	0
9.	$\frac{1}{6}$	1	0	29.	0.396	2	0
10.	21	1	0	30.	9	3	0
11.	256	1	0	31.	$5\frac{5}{8}$	1	0
12.	$\frac{3}{17}$	1	0	32.	0.8	2	0
13.	9080	1	0	33.	13	3	0
14.	$\frac{1}{4}$	1	0	34.	34	2	0
15.	22,764	1	0	35.	$3\frac{1}{2}$	2	0
16.	12	1	0	36.	$1\frac{2}{9}$	2	0
17.	2	2	0	37.	2.5	3	0
18.	18	1	0	38.	-12	3	0
19.	-27	2	0	39.	15 r11; 15.5; $15\frac{11}{22}$; $15\frac{1}{2}$	3	0
20.	324	1	0	40.	$\frac{72}{20}$; $3\frac{12}{20}$; $3\frac{3}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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<p>1 Solve for x</p> $27 + x = 37$ $x = \underline{\hspace{2cm}}$	<p>2</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{56} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $26 + x = 30$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{8} =$ $\underline{\hspace{2cm}}$	<p>6</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-5 + 12 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $29 + x = 36$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{66} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 11 = 16$ $x = \underline{\hspace{2cm}}$	<p>11</p> $19^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{6}{58} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 140 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 432 \\ \times 42 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 35 = 47$ $x = \underline{\hspace{2cm}}$
<p>17</p> $18 + -13 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $17 - x = 5$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-9 + -15 =$ $\underline{\hspace{2cm}}$	<p>20</p> $11^2 =$ $\underline{\hspace{2cm}}$

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<p>21 Write fraction as a mixed number</p> $\frac{24}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.37 =$ <p>_____</p>	<p>23</p> $4.09 + 0.7 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.17 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.220 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $2.63 - 1.7 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{5} =$ <p>_____</p>	<p>28</p> $\frac{5}{6} \cdot \frac{8}{6} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.42 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-4 - -3 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 7\frac{5}{9} \\ + 2\frac{2}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{4} =$ <p>_____</p>
<p>33</p> $11 - -20 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 28 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{27}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 7\frac{3}{11} \\ - 3\frac{1}{11} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.55}$	<p>38</p> $-19 - 5 =$ <p>_____</p>	<p>39</p> $35 \overline{)413}$	<p>40</p> $\frac{7}{8} \div \frac{4}{5} =$ <p>_____</p>

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Grade 7, Probe 6 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	10	1	0	21.	$4\frac{4}{5}$	2	0
2.	25	1	0	22.	$\frac{37}{100}$	2	0
3.	$\frac{5}{28}$	2	0	23.	4.79	2	0
4.	4	1	0	24.	$\frac{17}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.366	3	0
6.	16	1	0	26.	0.93	2	0
7.	7	2	0	27.	0.2	2	0
8.	7	1	0	28.	$\frac{40}{36}; 1\frac{4}{36}; 1\frac{2}{18}; 1\frac{1}{9}$	2	0
9.	$\frac{1}{6}$	1	0	29.	0.142	2	0
10.	27	1	0	30.	-1	3	0
11.	361	1	0	31.	$9\frac{7}{9}$	1	0
12.	$\frac{3}{29}$	1	0	32.	0.75	2	0
13.	3500	1	0	33.	31	3	0
14.	$\frac{1}{3}$	1	0	34.	14	2	0
15.	18,144	1	0	35.	$13\frac{1}{2}$	2	0
16.	12	1	0	36.	$4\frac{2}{11}$	2	0
17.	5	2	0	37.	1.1	3	0
18.	12	1	0	38.	-24	3	0
19.	-24	2	0	39.	11 r28; 11.8; $11\frac{28}{35}; 11\frac{4}{5}$	3	0
20.	121	1	0	40.	$\frac{35}{32}; 1\frac{3}{32}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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<p>1 Solve for x</p> $14 + x = 40$ $x = \underline{\hspace{2cm}}$	<p>2</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{50} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $39 + x = 48$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{9} =$ $\underline{\hspace{2cm}}$	<p>6</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-3 + 6 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $13 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{77} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 9 = 33$ $x = \underline{\hspace{2cm}}$	<p>11</p> $18^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{16}{60} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 623 \\ \times 43 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{2}{4} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 213 \\ \times 35 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 28 = 45$ $x = \underline{\hspace{2cm}}$
<p>17</p> $12 + -16 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $17 - x = 3$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-15 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $20^2 =$ $\underline{\hspace{2cm}}$

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<p>21 Write fraction as a mixed number</p> $\frac{8}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.51 =$ <p>_____</p>	<p>23</p> $1.03 + 1.9 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.21 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.422 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $2.78 - 1.8 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{4}{16} =$ <p>_____</p>	<p>28</p> $\frac{7}{4} \cdot \frac{3}{4} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.01 \\ \times 0.5 \\ \hline \end{array}$	<p>30</p> $-7 - -11 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1 \frac{1}{12} \\ + 3 \frac{4}{12} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{9}{10} =$ <p>_____</p>
<p>33</p> $14 - -6 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 44 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{5}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 9 \frac{5}{10} \\ - 6 \frac{2}{10} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.44}$	<p>38</p> $-15 - 4 =$ <p>_____</p>	<p>39</p> $22 \overline{)451}$	<p>40</p> $\frac{8}{9} \div \frac{6}{7} =$ <p>_____</p>

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Grade 7, Probe 7 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	26	1	0	21.	$2\frac{2}{3}$	2	0
2.	36	1	0	22.	$\frac{51}{100}$	2	0
3.	$\frac{6}{25}$	2	0	23.	2.93	2	0
4.	9	1	0	24.	$\frac{21}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.2844	3	0
6.	16	1	0	26.	0.98	2	0
7.	3	2	0	27.	0.25	2	0
8.	19	1	0	28.	$\frac{21}{16}$ or $1\frac{5}{16}$	2	0
9.	$\frac{1}{7}$	1	0	29.	0.505	2	0
10.	42	1	0	30.	4	3	0
11.	324	1	0	31.	$4\frac{5}{12}$	1	0
12.	$\frac{4}{15}$	1	0	32.	0.9	2	0
13.	26,789	1	0	33.	20	3	0
14.	$\frac{1}{2}$	1	0	34.	22	2	0
15.	7455	1	0	35.	$1\frac{1}{4}$	2	0
16.	17	1	0	36.	$3\frac{3}{10}$	2	0
17.	-4	2	0	37.	2.2	3	0
18.	14	1	0	38.	-19	3	0
19.	-28	2	0	39.	20 r11; 20.5; $20\frac{11}{22}$; $20\frac{1}{2}$	3	0
20.	400	1	0	40.	$\frac{56}{54}$; $1\frac{2}{54}$; $1\frac{1}{27}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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Date:

<p>1 Solve for x</p> $15 + x = 42$ $x = \underline{\hspace{2cm}}$	<p>2</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{4}{50} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $17 + x = 21$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{4}{16} =$ $\underline{\hspace{2cm}}$	<p>6</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-4 + 4 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $27 + x = 46$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{22} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 12 = 13$ $x = \underline{\hspace{2cm}}$	<p>11</p> $19^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{14} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 215 \\ \times 16 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 250 \\ \times 41 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 40 = 44$ $x = \underline{\hspace{2cm}}$
<p>17</p> $11 + -14 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $48 - x = 14$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-10 + -12 =$ $\underline{\hspace{2cm}}$	<p>20</p> $20^2 =$ $\underline{\hspace{2cm}}$

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Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{13}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.09 =$ <p>_____</p>	<p>23</p> $2.09 + 0.3 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.61 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.244 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $5.22 - 1.7 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{2} =$ <p>_____</p>	<p>28</p> $\frac{6}{7} \cdot \frac{6}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.12 \\ \times 0.5 \\ \hline \end{array}$	<p>30</p> $-18 - -7 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1 \frac{3}{11} \\ + 3 \frac{2}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $1 - -17 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 86 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{29}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6 \frac{5}{15} \\ - 1 \frac{1}{15} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.12}$	<p>38</p> $-3 - 6 =$ <p>_____</p>	<p>39</p> $25 \overline{)365}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 8 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	27	1	0	21.	$4\frac{1}{3}$	2	0
2.	9	1	0	22.	$\frac{9}{100}$	2	0
3.	$\frac{2}{25}$	2	0	23.	2.39	2	0
4.	4	1	0	24.	$\frac{61}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.1244	3	0
6.	81	1	0	26.	3.52	2	0
7.	0	2	0	27.	0.5	2	0
8.	19	1	0	28.	$\frac{36}{35}$ or $1\frac{1}{35}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.56	2	0
10.	25	1	0	30.	-11	3	0
11.	361	1	0	31.	$4\frac{5}{11}$	1	0
12.	$\frac{5}{7}$	1	0	32.	0.3	2	0
13.	3440	1	0	33.	18	3	0
14.	$\frac{1}{3}$	1	0	34.	43	2	0
15.	10,250	1	0	35.	$5\frac{4}{5}$	2	0
16.	4	1	0	36.	$5\frac{4}{15}$	2	0
17.	-3	2	0	37.	0.4	3	0
18.	34	1	0	38.	-9	3	0
19.	-22	2	0	39.	14 r15; 14.6; $14\frac{15}{25}$; $14\frac{3}{5}$	3	0
20.	400	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $22 + x = 40$ $x = \underline{\hspace{2cm}}$	<p>2</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{8}{58} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $24 + x = 26$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{7}{14} =$ $\underline{\hspace{2cm}}$	<p>6</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-14 + 9 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $18 + x = 30$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{2}{22} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 15 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $20^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{6}{38} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 330 \\ \times 53 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{10} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 212 \\ \times 25 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 29 = 36$ $x = \underline{\hspace{2cm}}$
<p>17</p> $19 + -6 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $16 - x = 7$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-17 + -9 =$ $\underline{\hspace{2cm}}$	<p>20</p> $15^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{23}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.91 =$ <p>_____</p>	<p>23</p> $4.07 + 3.6 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.97 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.325 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $3.63 - 2.5 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{8} =$ <p>_____</p>	<p>28</p> $\frac{7}{4} \cdot \frac{7}{9} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.32 \\ \times 0.2 \\ \hline \end{array}$	<p>30</p> $-10 - -7 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2 \frac{1}{8} \\ + 4 \frac{2}{8} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{1}{5} =$ <p>_____</p>
<p>33</p> $12 - -13 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 82 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{21}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 7 \frac{5}{12} \\ - 2 \frac{4}{12} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.15}$	<p>38</p> $-20 - 4 =$ <p>_____</p>	<p>39</p> $50 \overline{)140}$	<p>40</p> $\frac{3}{6} \div \frac{9}{10} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 9 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	18	1	0	21.	$11\frac{1}{2}$	2	0
2.	64	1	0	22.	$\frac{91}{100}$	2	0
3.	$\frac{4}{29}$	2	0	23.	7.67	2	0
4.	2	1	0	24.	$\frac{97}{100}$	2	0
5.	$\frac{1}{2}$	1	0	25.	0.1325	3	0
6.	4	1	0	26.	1.13	2	0
7.	-5	2	0	27.	0.75	2	0
8.	12	1	0	28.	$\frac{49}{36}$ or $1\frac{13}{36}$	2	0
9.	$\frac{1}{11}$	1	0	29.	0.264	2	0
10.	17	1	0	30.	-3	3	0
11.	400	1	0	31.	$6\frac{3}{8}$	1	0
12.	$\frac{3}{19}$	1	0	32.	0.2	2	0
13.	17,490	1	0	33.	25	3	0
14.	$\frac{1}{2}$	1	0	34.	41	2	0
15.	5300	1	0	35.	$5\frac{1}{4}$	2	0
16.	7	1	0	36.	$5\frac{1}{12}$	2	0
17.	13	2	0	37.	0.3	3	0
18.	9	1	0	38.	-24	3	0
19.	-26	2	0	39.	2 r40; 2.8; $2\frac{40}{50}$; $2\frac{20}{25}$; $2\frac{4}{5}$	3	0
20.	225	1	0	40.	$\frac{30}{54}$; $\frac{5}{9}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $37 + x = 49$ $x = \underline{\hspace{2cm}}$	<p>2</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{6}{58} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $19 + x = 27$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>6</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-7 + 8 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $5 + x = 26$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{22} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 16 = 8$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{8}{42} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 541 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{3}{15} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 142 \\ \times 32 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 22 = 35$ $x = \underline{\hspace{2cm}}$
<p>17</p> $9 + -3 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $32 - x = 29$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-19 + -10 =$ $\underline{\hspace{2cm}}$	<p>20</p> $10^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{24}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.89 =$ <p>_____</p>	<p>23</p> $2.14 + 0.5 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.03 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.304 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $5.23 - 2.1 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{8} =$ <p>_____</p>	<p>28</p> $\frac{7}{4} \cdot \frac{3}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.30 \\ \times 0.2 \\ \hline \end{array}$	<p>30</p> $-15 - -7 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 5 \frac{2}{8} \\ + 1 \frac{5}{8} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{9}{10} =$ <p>_____</p>
<p>33</p> $10 - -4 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 16 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{5}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 8 \frac{4}{14} \\ - 7 \frac{1}{14} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.40}$	<p>38</p> $-4 - 20 =$ <p>_____</p>	<p>39</p> $50 \overline{)210}$	<p>40</p> $\frac{9}{9} \div \frac{2}{5} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 10 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	12	1	0	21.	$4\frac{4}{5}$	2	0
2.	16	1	0	22.	$\frac{89}{100}$	2	0
3.	$\frac{3}{29}$	2	0	23.	2.64	2	0
4.	8	1	0	24.	$\frac{3}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.1304	3	0
6.	25	1	0	26.	3.13	2	0
7.	1	2	0	27.	0.75	2	0
8.	21	1	0	28.	$\frac{21}{20}$ or $1\frac{1}{20}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.26	2	0
10.	24	1	0	30.	-8	3	0
11.	225	1	0	31.	$6\frac{7}{8}$	1	0
12.	$\frac{4}{21}$	1	0	32.	0.9	2	0
13.	13,525	1	0	33.	14	3	0
14.	$\frac{1}{5}$	1	0	34.	8	2	0
15.	4544	1	0	35.	$2\frac{1}{2}$	2	0
16.	13	1	0	36.	$1\frac{3}{14}$	2	0
17.	6	2	0	37.	0.8	3	0
18.	3	1	0	38.	-24	3	0
19.	-29	2	0	39.	$4r10$; 4.2; $4\frac{10}{50}$; $4\frac{5}{25}$; $4\frac{1}{5}$	3	0
20.	100	1	0	40.	$\frac{45}{18}$; $2\frac{9}{18}$; $2\frac{1}{2}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $33 + x = 40$ $x = \underline{\hspace{2cm}}$	<p>2</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{45} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $17 + x = 35$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{5}{25} =$ $\underline{\hspace{2cm}}$	<p>6</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-5 + 3 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $5 + x = 41$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{22} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 19 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $13^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{12} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 241 \\ \times 51 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{2}{14} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 404 \\ \times 25 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 17 = 28$ $x = \underline{\hspace{2cm}}$
<p>17</p> $19 + -12 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $28 - x = 13$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-9 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $11^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{25}{4} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.11 =$ <p>_____</p>	<p>23</p> $1.03 + 2.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.47 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.425 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $4.37 - 3.7 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{4} =$ <p>_____</p>	<p>28</p> $\frac{5}{6} \cdot \frac{5}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.42 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-13 - -11 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2\frac{1}{9} \\ + 4\frac{4}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{7}{10} =$ <p>_____</p>
<p>33</p> $4 - -16 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 24 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{29}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 2\frac{3}{8} \\ - 1\frac{2}{8} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.63}$	<p>38</p> $-7 - 6 =$ <p>_____</p>	<p>39</p> $20 \overline{)136}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 11 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7	1	0	21.	$6\frac{1}{4}$	2	0
2.	64	1	0	22.	$\frac{11}{100}$	2	0
3.	$\frac{4}{15}$	2	0	23.	3.83	2	0
4.	18	1	0	24.	$\frac{47}{100}$	2	0
5.	$\frac{1}{5}$	1	0	25.	0.1425	3	0
6.	9	1	0	26.	0.67	2	0
7.	-2	2	0	27.	0.25	2	0
8.	36	1	0	28.	$\frac{25}{18}$ or $1\frac{7}{18}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.426	2	0
10.	21	1	0	30.	-2	3	0
11.	169	1	0	31.	$6\frac{5}{9}$	1	0
12.	$\frac{5}{6}$	1	0	32.	0.7	2	0
13.	12,291	1	0	33.	20	3	0
14.	$\frac{1}{7}$	1	0	34.	12	2	0
15.	10,100	1	0	35.	$5\frac{4}{5}$	2	0
16.	11	1	0	36.	$1\frac{1}{8}$	2	0
17.	7	2	0	37.	2.1	3	0
18.	15	1	0	38.	-13	3	0
19.	-22	2	0	39.	6 r16; 6.8; $6\frac{16}{20}$; $6\frac{8}{10}$; $6\frac{4}{5}$	3	0
20.	121	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $28 + x = 29$ $x = \underline{\hspace{2cm}}$	<p>2</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{14}{48} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $17 + x = 33$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{28} =$ $\underline{\hspace{2cm}}$	<p>6</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-6 + 17 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $14 + x = 33$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{88} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 21 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{51} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 115 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 505 \\ \times 31 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 30 = 39$ $x = \underline{\hspace{2cm}}$
<p>17</p> $17 + -17 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $24 - x = 17$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-19 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $13^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{13}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.89 =$ <p>_____</p>	<p>23</p> $2.04 + 0.7 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.73 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.323 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $4.22 - 1.8 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{12} =$ <p>_____</p>	<p>28</p> $\frac{7}{4} \cdot \frac{5}{7} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.40 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-5 - -12 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 4 \frac{3}{7} \\ + 1 \frac{2}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{1}{10} =$ <p>_____</p>
<p>33</p> $9 - -13 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 90 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{7}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 3 \frac{5}{6} \\ - 1 \frac{4}{6} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.54}$	<p>38</p> $-19 - 14 =$ <p>_____</p>	<p>39</p> $40 \overline{)232}$	<p>40</p> $\frac{7}{8} \div \frac{7}{9} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 12 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	1	1	0	21.	$6\frac{1}{2}$	2	0
2.	9	1	0	22.	$\frac{89}{100}$	2	0
3.	$\frac{7}{24}$	2	0	23.	2.74	2	0
4.	16	1	0	24.	$\frac{73}{100}$	2	0
5.	$\frac{1}{14}$	1	0	25.	0.2646	3	0
6.	64	1	0	26.	2.42	2	0
7.	11	2	0	27.	0.5	2	0
8.	19	1	0	28.	$\frac{35}{28}; \frac{5}{4}; 1\frac{1}{4}$	2	0
9.	$\frac{1}{8}$	1	0	29.	0.56	2	0
10.	23	1	0	30.	7	3	0
11.	225	1	0	31.	$5\frac{5}{7}$	1	0
12.	$\frac{4}{17}$	1	0	32.	0.1	2	0
13.	2875	1	0	33.	22	3	0
14.	$\frac{1}{3}$	1	0	34.	45	2	0
15.	15,655	1	0	35.	$1\frac{2}{5}$	2	0
16.	9	1	0	36.	$2\frac{1}{6}$	2	0
17.	0	2	0	37.	2.7	3	0
18.	7	1	0	38.	-33	3	0
19.	-32	2	0	39.	5 r32; 5.8; $5\frac{32}{40}$; $5\frac{16}{20}$; $5\frac{8}{10}$; $5\frac{4}{5}$	3	0
20.	169	1	0	40.	$\frac{63}{56}; 1\frac{7}{56}; 1\frac{1}{8}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $19 + x = 41$ $x = \underline{\hspace{2cm}}$	<p>2</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{15}{18} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $31 + x = 49$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>6</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-11 + 19 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $28 + x = 47$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{44} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 25 = 4$ $x = \underline{\hspace{2cm}}$	<p>11</p> $10^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{26} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 240 \\ \times 52 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 221 \\ \times 50 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 21 = 47$ $x = \underline{\hspace{2cm}}$
<p>17</p> $1 + -4 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $14 - x = 6$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-3 + -15 =$ $\underline{\hspace{2cm}}$	<p>20</p> $19^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{17}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.01 =$ <p>_____</p>	<p>23</p> $1.14 + 0.4 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.87 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.204 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $5.55 - 4.4 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{4}{20} =$ <p>_____</p>	<p>28</p> $\frac{4}{5} \cdot \frac{7}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.42 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-12 - -10 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 4 \frac{5}{11} \\ + 3 \frac{3}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{8}{10} =$ <p>_____</p>
<p>33</p> $6 - -17 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 56 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{16}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6 \frac{4}{7} \\ - 5 \frac{1}{7} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.42}$	<p>38</p> $-8 - 14 =$ <p>_____</p>	<p>39</p> $25 \overline{)245}$	<p>40</p> $\frac{9}{10} \div \frac{6}{9} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 13 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	22	1	0	21.	$3\frac{2}{5}$	2	0
2.	81	1	0	22.	$\frac{1}{100}$	2	0
3.	$\frac{5}{6}$	2	0	23.	1.54	2	0
4.	18	1	0	24.	$\frac{87}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.2408	3	0
6.	49	1	0	26.	1.15	2	0
7.	8	2	0	27.	0.2	2	0
8.	19	1	0	28.	$\frac{28}{25}$ or $1\frac{3}{25}$	2	0
9.	$\frac{1}{4}$	1	0	29.	0.568	2	0
10.	29	1	0	30.	-2	3	0
11.	100	1	0	31.	$7\frac{8}{11}$	1	0
12.	$\frac{6}{13}$	1	0	32.	0.8	2	0
13.	12,480	1	0	33.	23	3	0
14.	$\frac{1}{3}$	1	0	34.	28	2	0
15.	11,050	1	0	35.	$5\frac{1}{3}$	2	0
16.	26	1	0	36.	$1\frac{3}{7}$	2	0
17.	-3	2	0	37.	1.4	3	0
18.	8	1	0	38.	-22	3	0
19.	-18	2	0	39.	9 r20; 9.8; $9\frac{20}{25}$; $9\frac{4}{5}$	3	0
20.	361	1	0	40.	$\frac{81}{60}$; $1\frac{21}{60}$; $1\frac{7}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $9 + x = 18$ $x = \underline{\hspace{2cm}}$	<p>2</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{8}{42} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $38 + x = 44$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{21} =$ $\underline{\hspace{2cm}}$	<p>6</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-19 + 6 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $15 + x = 19$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{7}{28} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 22 = 6$ $x = \underline{\hspace{2cm}}$	<p>11</p> $18^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{8}{58} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 141 \\ \times 51 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{25} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 420 \\ \times 53 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 36 = 46$ $x = \underline{\hspace{2cm}}$
<p>17</p> $14 + -12 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $26 - x = 11$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-13 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $17^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{25}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.23 =$ <p>_____</p>	<p>23</p> $3.05 + 1.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.53 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.322 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $4.51 - 2.1 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{9}{12} =$ <p>_____</p>	<p>28</p> $\frac{8}{3} \cdot \frac{2}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.12 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-16 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2\frac{3}{9} \\ + 1\frac{5}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{4}{10} =$ <p>_____</p>
<p>33</p> $18 - -11 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 52 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{15}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 8\frac{4}{14} \\ - 7\frac{1}{14} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.40}$	<p>38</p> $-11 - 20 =$ <p>_____</p>	<p>39</p> $55 \overline{)242}$	<p>40</p> $\frac{9}{10} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 14 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	$8\frac{1}{3}$	2	0
2.	64	1	0	22.	$\frac{23}{100}$	2	0
3.	$\frac{4}{21}$	2	0	23.	4.85	2	0
4.	6	1	0	24.	$\frac{53}{100}$	2	0
5.	$\frac{1}{7}$	1	0	25.	0.1322	3	0
6.	16	1	0	26.	2.41	2	0
7.	-13	2	0	27.	0.75	2	0
8.	4	1	0	28.	$\frac{16}{15}$ or $1\frac{1}{15}$	2	0
9.	$\frac{1}{4}$	1	0	29.	0.448	2	0
10.	28	1	0	30.	-10	3	0
11.	324	1	0	31.	$3\frac{8}{9}$	1	0
12.	$\frac{4}{29}$	1	0	32.	0.4	2	0
13.	7191	1	0	33.	29	3	0
14.	$\frac{1}{5}$	1	0	34.	26	2	0
15.	22,260	1	0	35.	$7\frac{1}{2}$	2	0
16.	10	1	0	36.	$1\frac{3}{14}$	2	0
17.	2	2	0	37.	0.8	3	0
18.	15	1	0	38.	-31	3	0
19.	-26	2	0	39.	4 r22; 4.4; $4\frac{22}{55}$; $4\frac{2}{5}$	3	0
20.	289	1	0	40.	$\frac{63}{60}$; $1\frac{3}{60}$; $1\frac{1}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $15 + x = 35$ $x = \underline{\hspace{2cm}}$	<p>2</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{4}{22} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $27 + x = 30$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{12} =$ $\underline{\hspace{2cm}}$	<p>6</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-15 + 3 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $17 + x = 30$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{7}{14} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 49 = 1$ $x = \underline{\hspace{2cm}}$	<p>11</p> $20^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{14}{60} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 521 \\ \times 54 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{44} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 112 \\ \times 45 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 19 = 45$ $x = \underline{\hspace{2cm}}$
<p>17</p> $3 + -7 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $18 - x = 9$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-8 + -10 =$ $\underline{\hspace{2cm}}$	<p>20</p> $13^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{9}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.97 =$ <p>_____</p>	<p>23</p> $4.13 + 0.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.83 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.202 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $5.33 - 3.2 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{3}{4} =$ <p>_____</p>	<p>28</p> $\frac{8}{3} \cdot \frac{2}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.30 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-8 - -7 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3 \frac{1}{8} \\ + 2 \frac{4}{8} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{6}{10} =$ <p>_____</p>
<p>33</p> $17 - -19 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 26 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{19}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5 \frac{5}{11} \\ - 4 \frac{3}{11} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.30}$	<p>38</p> $-3 - 10 =$ <p>_____</p>	<p>39</p> $45 \overline{)423}$	<p>40</p> $\frac{9}{10} \div \frac{6}{9} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 15 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	20	1	0	21.	$1\frac{4}{5}$	2	0
2.	25	1	0	22.	$\frac{97}{100}$	2	0
3.	$\frac{2}{11}$	2	0	23.	4.93	2	0
4.	3	1	0	24.	$\frac{83}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.3606	3	0
6.	49	1	0	26.	2.13	2	0
7.	-12	2	0	27.	0.75	2	0
8.	13	1	0	28.	$\frac{16}{9}$ or $1\frac{7}{9}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.52	2	0
10.	50	1	0	30.	-1	3	0
11.	400	1	0	31.	$5\frac{5}{8}$	1	0
12.	$\frac{7}{30}$	1	0	32.	0.6	2	0
13.	28,134	1	0	33.	36	3	0
14.	$\frac{1}{4}$	1	0	34.	13	2	0
15.	5040	1	0	35.	$9\frac{1}{2}$	2	0
16.	26	1	0	36.	$1\frac{2}{11}$	2	0
17.	-4	2	0	37.	0.6	3	0
18.	9	1	0	38.	-13	3	0
19.	-18	2	0	39.	9 r18; 9.4; $9\frac{18}{45}$; $9\frac{2}{5}$	3	0
20.	169	1	0	40.	$\frac{81}{60}$; $1\frac{21}{60}$; $1\frac{7}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $45 + x = 49$ $x = \underline{\hspace{2cm}}$	<p>2</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{14} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $26 + x = 28$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{24} =$ $\underline{\hspace{2cm}}$	<p>6</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-16 + 17 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $36 + x = 42$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 23 = 4$ $x = \underline{\hspace{2cm}}$	<p>11</p> $11^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{26} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 415 \\ \times 12 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{66} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 105 \\ \times 16 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 6 = 18$ $x = \underline{\hspace{2cm}}$
<p>17</p> $3 + -6 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $22 - x = 7$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-19 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $13^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{8}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.03 =$ <p>_____</p>	<p>23</p> $2.08 + 0.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.63 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.232 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $3.83 - 1.9 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{12} =$ <p>_____</p>	<p>28</p> $\frac{8}{5} \cdot \frac{4}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.02 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-20 - -18 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1\frac{2}{9} \\ + 3\frac{5}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{4}{10} =$ <p>_____</p>
<p>33</p> $10 - -17 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 96 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{15}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 7\frac{3}{11} \\ - 3\frac{1}{11} \\ \hline \end{array}$
<p>37</p> $0.4 \overline{)0.40}$	<p>38</p> $-1 - 12 =$ <p>_____</p>	<p>39</p> $10 \overline{)235}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 16 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4	1	0	21.	$2\frac{2}{3}$	2	0
2.	49	1	0	22.	$\frac{3}{100}$	2	0
3.	$\frac{5}{7}$	2	0	23.	2.88	2	0
4.	2	1	0	24.	$\frac{63}{100}$	2	0
5.	$\frac{1}{8}$	1	0	25.	0.2464	3	0
6.	16	1	0	26.	1.93	2	0
7.	1	2	0	27.	0.5	2	0
8.	6	1	0	28.	$\frac{32}{25}$ or $1\frac{7}{25}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.102	2	0
10.	27	1	0	30.	-2	3	0
11.	121	1	0	31.	$4\frac{7}{9}$	1	0
12.	$\frac{5}{13}$	1	0	32.	0.4	2	0
13.	4980	1	0	33.	27	3	0
14.	$\frac{1}{6}$	1	0	34.	48	2	0
15.	1680	1	0	35.	$3\frac{3}{4}$	2	0
16.	12	1	0	36.	$4\frac{2}{11}$	2	0
17.	-3	2	0	37.	1	3	0
18.	15	1	0	38.	-13	3	0
19.	-32	2	0	39.	23 r5; 23.5; $23\frac{5}{10}$; $23\frac{1}{2}$	3	0
20.	169	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $28 + x = 33$ $x = \underline{\hspace{2cm}}$	<p>2</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{6}{38} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $24 + x = 31$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{20} =$ $\underline{\hspace{2cm}}$	<p>6</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-8 + 3 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $23 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{9} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 5 = 29$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{14}{26} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 103 \\ \times 36 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{99} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 441 \\ \times 32 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 21 = 49$ $x = \underline{\hspace{2cm}}$
<p>17</p> $12 + -6 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $22 - x = 3$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-8 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $16^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{20}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.63 =$ <p>_____</p>	<p>23</p> $2.16 + 0.4 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.73 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.101 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $5.12 - 2.6 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{12} =$ <p>_____</p>	<p>28</p> $\frac{9}{5} \cdot \frac{6}{7} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.42 \\ \times 0.2 \\ \hline \end{array}$	<p>30</p> $-3 - -11 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1 \frac{2}{9} \\ + 3 \frac{5}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $15 - -15 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 78 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{15}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 8 \frac{4}{10} \\ - 7 \frac{1}{10} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.25}$	<p>38</p> $-5 - 8 =$ <p>_____</p>	<p>39</p> $42 \overline{)231}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 17 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	5	1	0	21.	$6\frac{2}{3}$	2	0
2.	9	1	0	22.	$\frac{63}{100}$	2	0
3.	$\frac{3}{19}$	2	0	23.	2.56	2	0
4.	7	1	0	24.	$\frac{73}{100}$	2	0
5.	$\frac{1}{10}$	1	0	25.	0.3303	3	0
6.	25	1	0	26.	2.52	2	0
7.	-5	2	0	27.	0.5	2	0
8.	9	1	0	28.	$\frac{54}{35}$ or $1\frac{19}{35}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.284	2	0
10.	34	1	0	30.	8	3	0
11.	225	1	0	31.	$4\frac{7}{9}$	1	0
12.	$\frac{7}{13}$	1	0	32.	0.30	2	0
13.	3708	1	0	33.	30	3	0
14.	$\frac{1}{9}$	1	0	34.	39	2	0
15.	14,112	1	0	35.	$3\frac{3}{4}$	2	0
16.	28	1	0	36.	$1\frac{3}{10}$	2	0
17.	6	2	0	37.	0.5	3	0
18.	19	1	0	38.	-13	3	0
19.	-21	2	0	39.	5 r21; 5.5; $5\frac{21}{42}$; $5\frac{7}{14}$; $5\frac{1}{2}$	3	0
20.	256	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $33 + x = 37$ $x = \underline{\hspace{2cm}}$	<p>2</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{26} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $13 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{10} =$ $\underline{\hspace{2cm}}$	<p>6</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-3 + 18 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $8 + x = 13$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{18} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 20 = 8$ $x = \underline{\hspace{2cm}}$	<p>11</p> $12^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{22} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 242 \\ \times 32 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{20} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 140 \\ \times 52 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 5 = 25$ $x = \underline{\hspace{2cm}}$
<p>17</p> $10 + -9 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $49 - x = 11$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-16 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $17^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{6}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.39 =$ <p>_____</p>	<p>23</p> $1.05 + 0.7 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.09 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.243 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $5.51 - 2.6 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{3}{4} =$ <p>_____</p>	<p>28</p> $\frac{4}{5} \cdot \frac{8}{6} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.02 \\ \times 0.2 \\ \hline \end{array}$	<p>30</p> $-12 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3\frac{3}{12} \\ + 2\frac{4}{12} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{2}{8} =$ <p>_____</p>
<p>33</p> $14 - -10 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 60 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{17}{2} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6\frac{5}{15} \\ - 1\frac{1}{15} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.22}$	<p>38</p> $-11 - 11 =$ <p>_____</p>	<p>39</p> $45 \overline{)342}$	<p>40</p> $\frac{7}{9} \div \frac{9}{10} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 18 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4	1	0	21.	$1\frac{1}{5}$	2	0
2.	81	1	0	22.	$\frac{39}{100}$	2	0
3.	$\frac{6}{13}$	2	0	23.	1.75	2	0
4.	19	1	0	24.	$\frac{9}{100}$	2	0
5.	$\frac{1}{5}$	1	0	25.	0.1243	3	0
6.	9	1	0	26.	2.91	2	0
7.	15	2	0	27.	0.75	2	0
8.	5	1	0	28.	$\frac{32}{30}$; $1\frac{2}{30}$; $1\frac{1}{15}$	2	0
9.	$\frac{1}{6}$	1	0	29.	0.204	2	0
10.	28	1	0	30.	-6	3	0
11.	144	1	0	31.	$5\frac{7}{12}$	1	0
12.	$\frac{5}{11}$	1	0	32.	0.25	2	0
13.	7744	1	0	33.	24	3	0
14.	$\frac{1}{4}$	1	0	34.	30	2	0
15.	7280	1	0	35.	$8\frac{1}{2}$	2	0
16.	20	1	0	36.	$5\frac{4}{15}$	2	0
17.	1	2	0	37.	1.1	3	0
18.	38	1	0	38.	-22	3	0
19.	-29	2	0	39.	$7r27$; 7.6; $7\frac{27}{45}$; $7\frac{9}{15}$; $7\frac{3}{5}$	3	0
20.	289	1	0	40.	$\frac{70}{81}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $13 + x = 21$ $x = \underline{\hspace{2cm}}$	<p>2</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{24} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $39 + x = 41$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{12} =$ $\underline{\hspace{2cm}}$	<p>6</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-5 + 10 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $26 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{99} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 3 = 27$ $x = \underline{\hspace{2cm}}$	<p>11</p> $14^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{45} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 503 \\ \times 43 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{7}{28} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 121 \\ \times 53 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 22 = 28$ $x = \underline{\hspace{2cm}}$
<p>17</p> $14 + -5 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $25 - x = 5$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-12 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $10^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{27}{4} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.93 =$ <p>_____</p>	<p>23</p> $4.08 + 0.6 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.29 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.213 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $1.05 - 0.5 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{4}{8} =$ <p>_____</p>	<p>28</p> $\frac{7}{8} \cdot \frac{7}{6} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.40 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-19 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3\frac{1}{7} \\ + 3\frac{2}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{6}{10} =$ <p>_____</p>
<p>33</p> $18 - -5 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 20 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{10}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5\frac{4}{5} \\ - 2\frac{3}{5} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.12}$	<p>38</p> $-9 - 15 =$ <p>_____</p>	<p>39</p> $32 \overline{)144}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 19 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8	1	0	21.	$6\frac{3}{4}$	2	0
2.	36	1	0	22.	$\frac{93}{100}$	2	0
3.	$\frac{5}{12}$	2	0	23.	4.68	2	0
4.	2	1	0	24.	$\frac{29}{100}$	2	0
5.	$\frac{1}{6}$	1	0	25.	0.2426	3	0
6.	4	1	0	26.	0.55	2	0
7.	5	2	0	27.	0.5	2	0
8.	6	1	0	28.	$\frac{49}{48}$ or $1\frac{1}{48}$	2	0
9.	$\frac{1}{9}$	1	0	29.	0.14	2	0
10.	30	1	0	30.	-13	3	0
11.	196	1	0	31.	$6\frac{3}{7}$	1	0
12.	$\frac{4}{15}$	1	0	32.	0.6	2	0
13.	21,629	1	0	33.	23	3	0
14.	$\frac{1}{4}$	1	0	34.	10	2	0
15.	6413	1	0	35.	$3\frac{1}{3}$	2	0
16.	6	1	0	36.	$3\frac{1}{5}$	2	0
17.	9	2	0	37.	0.6	3	0
18.	20	1	0	38.	-24	3	0
19.	-25	2	0	39.	4 r16; 4.5; $4\frac{16}{32}$; $4\frac{8}{16}$; $4\frac{4}{8}$; $4\frac{2}{4}$; $4\frac{1}{2}$	3	0
20.	100	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $15 + x = 39$ $x = \underline{\hspace{2cm}}$	<p>2</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{8}{50} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $26 + x = 40$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{27} =$ $\underline{\hspace{2cm}}$	<p>6</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-9 + 4 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $25 + x = 48$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 2 = 25$ $x = \underline{\hspace{2cm}}$	<p>11</p> $11^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{48} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 240 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{77} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 214 \\ \times 40 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 20 = 41$ $x = \underline{\hspace{2cm}}$
<p>17</p> $11 + -8 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $15 - x = 5$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-20 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $15^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{29}{4} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.49 =$ <p>_____</p>	<p>23</p> $1.13 + 3.6 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.21 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.211 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $2.84 - 0.9 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{12} =$ <p>_____</p>	<p>28</p> $\frac{5}{7} \cdot \frac{8}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.12 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-16 - -10 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2\frac{2}{11} \\ + 3\frac{1}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $2 - -1 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 92 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{12}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5\frac{4}{5} \\ - 2\frac{3}{5} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.40}$	<p>38</p> $-2 - 9 =$ <p>_____</p>	<p>39</p> $32 \overline{)304}$	<p>40</p> $\frac{9}{9} \div \frac{2}{5} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 20 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	24	1	0	21.	$7\frac{1}{4}$	2	0
2.	4	1	0	22.	$\frac{49}{100}$	2	0
3.	$\frac{4}{25}$	2	0	23.	4.73	2	0
4.	14	1	0	24.	$\frac{21}{100}$	2	0
5.	$\frac{1}{9}$	1	0	25.	0.2422	3	0
6.	36	1	0	26.	1.94	2	0
7.	-5	2	0	27.	0.5	2	0
8.	23	1	0	28.	$\frac{40}{21}$ or $1\frac{19}{21}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.336	2	0
10.	27	1	0	30.	-6	3	0
11.	121	1	0	31.	$5\frac{3}{11}$	1	0
12.	$\frac{5}{24}$	1	0	32.	0.3	2	0
13.	6000	1	0	33.	3	3	0
14.	$\frac{1}{7}$	1	0	34.	46	2	0
15.	8560	1	0	35.	$2\frac{2}{5}$	2	0
16.	21	1	0	36.	$3\frac{1}{5}$	2	0
17.	3	2	0	37.	2	3	0
18.	10	1	0	38.	-11	3	0
19.	-33	2	0	39.	9 r16; 9.5; $9\frac{16}{32}$; $9\frac{8}{16}$; $9\frac{4}{8}$; $9\frac{2}{4}$; $9\frac{1}{2}$	3	0
20.	225	1	0	40.	$\frac{45}{18}$; $2\frac{9}{18}$; $2\frac{1}{2}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $22 + x = 37$ $x = \underline{\hspace{2cm}}$	<p>2</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{6}{40} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $30 + x = 49$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{11}{77} =$ $\underline{\hspace{2cm}}$	<p>6</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-17 + 2 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $6 + x = 33$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 14 = 6$ $x = \underline{\hspace{2cm}}$	<p>11</p> $17^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{8}{10} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 252 \\ \times 41 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{7}{28} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 232 \\ \times 42 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 32 = 40$ $x = \underline{\hspace{2cm}}$
<p>17</p> $7 + -6 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $15 - x = 2$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-6 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $12^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{29}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.79 =$ <p>_____</p>	<p>23</p> $2.06 + 0.9 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.99 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.304 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $4.17 - 3.2 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{4} =$ <p>_____</p>	<p>28</p> $\frac{4}{9} \cdot \frac{7}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.02 \\ \times 0.5 \\ \hline \end{array}$	<p>30</p> $-9 - -14 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 5 \frac{4}{11} \\ + 2 \frac{1}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{8}{10} =$ <p>_____</p>
<p>33</p> $6 - -12 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 14 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{18}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6 \frac{3}{7} \\ - 4 \frac{2}{7} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.45}$	<p>38</p> $-18 - 17 =$ <p>_____</p>	<p>39</p> $30 \overline{)363}$	<p>40</p> $\frac{7}{8} \div \frac{1}{6} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 21 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	15	1	0	21.	$14\frac{1}{2}$	2	0
2.	49	1	0	22.	$\frac{79}{100}$	2	0
3.	$\frac{3}{20}$	2	0	23.	2.96	2	0
4.	19	1	0	24.	$\frac{99}{100}$	2	0
5.	$\frac{1}{7}$	1	0	25.	0.2608	3	0
6.	81	1	0	26.	0.97	2	0
7.	-15	2	0	27.	0.25	2	0
8.	27	1	0	28.	$\frac{28}{27}$ or $1\frac{1}{27}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.51	2	0
10.	20	1	0	30.	5	3	0
11.	289	1	0	31.	$7\frac{5}{11}$	1	0
12.	$\frac{4}{5}$	1	0	32.	0.8	2	0
13.	10,332	1	0	33.	18	3	0
14.	$\frac{1}{4}$	1	0	34.	7	2	0
15.	9744	1	0	35.	$3\frac{3}{5}$	2	0
16.	8	1	0	36.	$2\frac{1}{7}$	2	0
17.	1	2	0	37.	1.5	3	0
18.	13	1	0	38.	-35	3	0
19.	-19	2	0	39.	12 r3; 12.1; $12\frac{3}{30}$; $12\frac{1}{10}$	3	0
20.	144	1	0	40.	$\frac{42}{8}$; $5\frac{2}{8}$; $5\frac{1}{4}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $30 + x = 33$ $x = \underline{\hspace{2cm}}$	<p>2</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{51} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $11 + x = 27$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{12} =$ $\underline{\hspace{2cm}}$	<p>6</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-2 + 6 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $16 + x = 41$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{2}{10} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 23 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $16^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{8}{50} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 251 \\ \times 30 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{33} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 116 \\ \times 40 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 32 = 36$ $x = \underline{\hspace{2cm}}$
<p>17</p> $16 + -3 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $21 - x = 5$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-20 + -7 =$ $\underline{\hspace{2cm}}$	<p>20</p> $14^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{20}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.83 =$ <p>_____</p>	<p>23</p> $2.07 + 0.6 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.81 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.323 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $3.81 - 1.4 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{2} =$ <p>_____</p>	<p>28</p> $\frac{8}{5} \cdot \frac{4}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.02 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-15 - -3 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 4 \frac{4}{9} \\ + 2 \frac{3}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $12 - -7 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 32 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{23}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6 \frac{5}{15} \\ - 1 \frac{1}{15} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.12}$	<p>38</p> $-6 - 4 =$ <p>_____</p>	<p>39</p> $42 \overline{)105}$	<p>40</p> $\frac{7}{9} \div \frac{3}{4} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 22 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	3	1	0	21.	$6\frac{2}{3}$	2	0
2.	81	1	0	22.	$\frac{83}{100}$	2	0
3.	$\frac{4}{17}$	2	0	23.	2.67	2	0
4.	16	1	0	24.	$\frac{81}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.1323	3	0
6.	36	1	0	26.	2.41	2	0
7.	4	2	0	27.	0.5	2	0
8.	25	1	0	28.	$\frac{32}{25}$ or $1\frac{7}{25}$	2	0
9.	$\frac{1}{5}$	1	0	29.	0.306	2	0
10.	25	1	0	30.	-12	3	0
11.	256	1	0	31.	$6\frac{7}{9}$	1	0
12.	$\frac{4}{25}$	1	0	32.	0.3	2	0
13.	7530	1	0	33.	19	3	0
14.	$\frac{1}{3}$	1	0	34.	16	2	0
15.	4640	1	0	35.	$4\frac{3}{5}$	2	0
16.	4	1	0	36.	$5\frac{4}{15}$	2	0
17.	13	2	0	37.	0.4	3	0
18.	16	1	0	38.	-10	3	0
19.	-27	2	0	39.	2 r21; 2.5; $2\frac{21}{42}$; $2\frac{7}{14}$; $2\frac{3}{6}$; $2\frac{1}{2}$	3	0
20.	196	1	0	40.	$\frac{28}{27}$ or $1\frac{1}{27}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $14 + x = 19$ $x = \underline{\hspace{2cm}}$	<p>2</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{14}{32} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $17 + x = 47$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{21} =$ $\underline{\hspace{2cm}}$	<p>6</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-3 + 11 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $31 + x = 40$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{5}{10} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 47 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{56} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 143 \\ \times 31 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{33} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 124 \\ \times 42 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 26 = 34$ $x = \underline{\hspace{2cm}}$
<p>17</p> $14 + -6 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $22 - x = 9$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-1 + -10 =$ $\underline{\hspace{2cm}}$	<p>20</p> $14^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{13}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.33 =$ <p>_____</p>	<p>23</p> $3.18 + 1.4 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.77 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.321 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $3.97 - 2.8 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{6}{8} =$ <p>_____</p>	<p>28</p> $\frac{5}{8} \cdot \frac{9}{4} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.04 \\ \times 0.2 \\ \hline \end{array}$	<p>30</p> $-4 - -16 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3 \frac{3}{12} \\ + 2 \frac{4}{12} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{6}{10} =$ <p>_____</p>
<p>33</p> $5 - -17 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 34 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{23}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 7 \frac{2}{10} \\ - 3 \frac{1}{10} \\ \hline \end{array}$
<p>37</p> $0.4 \overline{)0.12}$	<p>38</p> $-13 - 7 =$ <p>_____</p>	<p>39</p> $32 \overline{)432}$	<p>40</p> $\frac{8}{9} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 23 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	5	1	0	21.	$2\frac{3}{5}$	2	0
2.	16	1	0	22.	$\frac{33}{100}$	2	0
3.	$\frac{7}{16}$	2	0	23.	4.58	2	0
4.	30	1	0	24.	$\frac{77}{100}$	2	0
5.	$\frac{1}{7}$	1	0	25.	0.1321	3	0
6.	64	1	0	26.	1.17	2	0
7.	8	2	0	27.	0.75	2	0
8.	9	1	0	28.	$\frac{45}{32}$ or $1\frac{13}{32}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.208	2	0
10.	49	1	0	30.	12	3	0
11.	225	1	0	31.	$5\frac{7}{12}$	1	0
12.	$\frac{5}{28}$	1	0	32.	0.6	2	0
13.	4433	1	0	33.	22	3	0
14.	$\frac{1}{3}$	1	0	34.	17	2	0
15.	5208	1	0	35.	$7\frac{2}{3}$	2	0
16.	8	1	0	36.	$4\frac{1}{10}$	2	0
17.	8	2	0	37.	0.3	3	0
18.	13	1	0	38.	-20	3	0
19.	-11	2	0	39.	13 r16; 13.5; $13\frac{16}{32}$; $13\frac{4}{8}$; $13\frac{2}{4}$; $13\frac{1}{2}$	3	0
20.	196	1	0	40.	$\frac{56}{54}$; $1\frac{2}{54}$; $1\frac{1}{27}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $17 + x = 26$ $x = \underline{\hspace{2cm}}$	<p>2</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{12} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $6 + x = 22$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{5}{20} =$ $\underline{\hspace{2cm}}$	<p>6</p> $2^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-19 + 17 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $39 + x = 43$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{18} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 21 = 4$ $x = \underline{\hspace{2cm}}$	<p>11</p> $16^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{6}{40} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 413 \\ \times 43 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{55} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 131 \\ \times 50 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 27 = 32$ $x = \underline{\hspace{2cm}}$
<p>17</p> $4 + -3 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $20 - x = 9$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-4 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $10^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{25}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.07 =$ <p>_____</p>	<p>23</p> $4.12 + 1.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.39 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.212 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $3.89 - 3.7 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{4}{16} =$ <p>_____</p>	<p>28</p> $\frac{5}{7} \cdot \frac{8}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.30 \\ \times 0.5 \\ \hline \end{array}$	<p>30</p> $-20 - -10 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 2 \frac{1}{9} \\ + 4 \frac{3}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{9}{10} =$ <p>_____</p>
<p>33</p> $1 - -15 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 64 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{7}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 8 \frac{4}{15} \\ - 7 \frac{2}{15} \\ \hline \end{array}$
<p>37</p> $0.4 \overline{)0.24}$	<p>38</p> $-10 - 9 =$ <p>_____</p>	<p>39</p> $55 \overline{)352}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 24 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	$12\frac{1}{2}$	2	0
2.	36	1	0	22.	$\frac{7}{100}$	2	0
3.	$\frac{5}{6}$	2	0	23.	5.92	2	0
4.	16	1	0	24.	$\frac{39}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.1212	3	0
6.	4	1	0	26.	0.19	2	0
7.	-2	2	0	27.	0.25	2	0
8.	4	1	0	28.	$\frac{40}{21}$ or $1\frac{19}{21}$	2	0
9.	$\frac{1}{6}$	1	0	29.	0.65	2	0
10.	25	1	0	30.	-10	3	0
11.	256	1	0	31.	$6\frac{4}{9}$	1	0
12.	$\frac{3}{20}$	1	0	32.	0.9	2	0
13.	17,759	1	0	33.	16	3	0
14.	$\frac{1}{5}$	1	0	34.	32	2	0
15.	6550	1	0	35.	$1\frac{3}{4}$	2	0
16.	5	1	0	36.	$1\frac{2}{15}$	2	0
17.	1	2	0	37.	0.6	3	0
18.	11	1	0	38.	-19	3	0
19.	-17	2	0	39.	6 r22; 6.4; $6\frac{22}{55}$; $6\frac{2}{5}$	3	0
20.	100	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $37 + x = 47$ $x = \underline{\hspace{2cm}}$	<p>2</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{48} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $14 + x = 28$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{8} =$ $\underline{\hspace{2cm}}$	<p>6</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-4 + 11 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $28 + x = 49$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 8 = 19$ $x = \underline{\hspace{2cm}}$	<p>11</p> $16^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{6}{50} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 102 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{3}{24} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 116 \\ \times 40 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 5 = 37$ $x = \underline{\hspace{2cm}}$
<p>17</p> $11 + -4 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $20 - x = 7$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-14 + -1 =$ $\underline{\hspace{2cm}}$	<p>20</p> $18^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{28}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.31 =$ <p>_____</p>	<p>23</p> $3.17 + 0.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.07 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.242 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $1.45 - 0.8 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{2} =$ <p>_____</p>	<p>28</p> $\frac{5}{8} \cdot \frac{7}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.40 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-5 - -5 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3\frac{2}{7} \\ + 5\frac{3}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $19 - -13 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 84 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{19}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6\frac{3}{10} \\ - 1\frac{2}{10} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.04}$	<p>38</p> $-9 - 1 =$ <p>_____</p>	<p>39</p> $20 \overline{)356}$	<p>40</p> $\frac{9}{10} \div \frac{3}{5} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 25 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	10	1	0	21.	$5\frac{3}{5}$	2	0
2.	64	1	0	22.	$\frac{31}{100}$	2	0
3.	$\frac{5}{24}$	2	0	23.	3.97	2	0
4.	14	1	0	24.	$\frac{7}{100}$	2	0
5.	$\frac{1}{4}$	1	0	25.	0.2484	3	0
6.	49	1	0	26.	0.65	2	0
7.	7	2	0	27.	0.5	2	0
8.	21	1	0	28.	$\frac{35}{24}$ or $1\frac{11}{24}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.42	2	0
10.	27	1	0	30.	0	3	0
11.	256	1	0	31.	$8\frac{5}{7}$	1	0
12.	$\frac{3}{25}$	1	0	32.	0.3	2	0
13.	2550	1	0	33.	32	3	0
14.	$\frac{1}{8}$	1	0	34.	42	2	0
15.	4640	1	0	35.	$6\frac{1}{3}$	2	0
16.	32	1	0	36.	$5\frac{1}{10}$	2	0
17.	7	2	0	37.	0.2	3	0
18.	13	1	0	38.	-10	3	0
19.	-15	2	0	39.	17 r16; 17.8; $17\frac{16}{20}$; $17\frac{8}{10}$; $17\frac{4}{5}$	3	0
20.	324	1	0	40.	$\frac{45}{30}$; $1\frac{15}{30}$; $1\frac{1}{2}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $9 + x = 33$ $x = \underline{\hspace{2cm}}$	<p>2</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{21} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $37 + x = 45$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{5}{25} =$ $\underline{\hspace{2cm}}$	<p>6</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-15 + 2 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $17 + x = 19$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{11}{22} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 3 = 43$ $x = \underline{\hspace{2cm}}$	<p>11</p> $18^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{14}{48} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 130 \\ \times 43 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{2}{10} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 145 \\ \times 20 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 19 = 40$ $x = \underline{\hspace{2cm}}$
<p>17</p> $15 + -7 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $44 - x = 17$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-12 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $12^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{23}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.57 =$ <p>_____</p>	<p>23</p> $4.32 + 3.1 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.03 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.245 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $1.02 - 0.8 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{2} =$ <p>_____</p>	<p>28</p> $\frac{5}{8} \cdot \frac{7}{2} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.32 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-6 - -8 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1 \frac{1}{12} \\ + 3 \frac{4}{12} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{9}{10} =$ <p>_____</p>
<p>33</p> $8 - -20 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 10 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{9}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6 \frac{3}{11} \\ - 2 \frac{2}{11} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.54}$	<p>38</p> $-13 - 19 =$ <p>_____</p>	<p>39</p> $35 \overline{)133}$	<p>40</p> $\frac{9}{10} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 26 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	24	1	0	21.	$11\frac{1}{2}$	2	0
2.	25	1	0	22.	$\frac{57}{100}$	2	0
3.	$\frac{4}{7}$	2	0	23.	7.42	2	0
4.	8	1	0	24.	$\frac{3}{100}$	2	0
5.	$\frac{1}{5}$	1	0	25.	0.1245	3	0
6.	9	1	0	26.	0.22	2	0
7.	-13	2	0	27.	0.5	2	0
8.	2	1	0	28.	$\frac{35}{16}$ or $2\frac{3}{16}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.528	2	0
10.	46	1	0	30.	2	3	0
11.	324	1	0	31.	$4\frac{5}{12}$	1	0
12.	$\frac{7}{24}$	1	0	32.	0.9	2	0
13.	5590	1	0	33.	28	3	0
14.	$\frac{1}{5}$	1	0	34.	5	2	0
15.	2900	1	0	35.	$2\frac{1}{4}$	2	0
16.	21	1	0	36.	$4\frac{1}{11}$	2	0
17.	8	2	0	37.	1.8	3	0
18.	27	1	0	38.	-32	3	0
19.	-25	2	0	39.	3 r28; 3.8; $3\frac{28}{35}$; $3\frac{4}{5}$	3	0
20.	144	1	0	40.	$\frac{63}{60}$; $1\frac{3}{60}$; $1\frac{1}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $8 + x = 15$ $x = \underline{\hspace{2cm}}$	<p>2</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{10}{22} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $7 + x = 28$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>6</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-15 + 7 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $4 + x = 12$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{6}{12} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 5 = 40$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{51} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 166 \\ \times 20 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{4}{16} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 422 \\ \times 52 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 35 = 70$ $x = \underline{\hspace{2cm}}$
<p>17</p> $12 + -8 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $14 - x = 8$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-13 + -14 =$ $\underline{\hspace{2cm}}$	<p>20</p> $12^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{26}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.13 =$ <p>_____</p>	<p>23</p> $2.03 + 0.4 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.09 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.323 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $4.50 - 2.0 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{2} =$ <p>_____</p>	<p>28</p> $\frac{5}{7} \cdot \frac{8}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.40 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-15 - -5 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 1 \frac{2}{5} \\ + 4 \frac{1}{5} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{3}{10} =$ <p>_____</p>
<p>33</p> $10 - -15 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 80 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{16}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 4 \frac{4}{9} \\ - 3 \frac{2}{9} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.24}$	<p>38</p> $-12 - 12 =$ <p>_____</p>	<p>39</p> $40 \overline{)232}$	<p>40</p> $\frac{9}{10} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 27 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7	1	0	21.	$5\frac{1}{5}$	2	0
2.	16	1	0	22.	$\frac{13}{100}$	2	0
3.	$\frac{5}{11}$	2	0	23.	2.43	2	0
4.	21	1	0	24.	$\frac{9}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.1323	3	0
6.	64	1	0	26.	2.50	2	0
7.	-8	2	0	27.	0.5	2	0
8.	8	1	0	28.	$\frac{40}{21}$ or $1\frac{19}{21}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.42	2	0
10.	45	1	0	30.	-10	3	0
11.	225	1	0	31.	$5\frac{3}{5}$	1	0
12.	$\frac{4}{17}$	1	0	32.	0.3	2	0
13.	3320	1	0	33.	25	3	0
14.	$\frac{1}{4}$	1	0	34.	40	2	0
15.	21,944	1	0	35.	$3\frac{1}{5}$	2	0
16.	35	1	0	36.	$1\frac{2}{9}$	2	0
17.	4	2	0	37.	1.2	3	0
18.	6	1	0	38.	-24	3	0
19.	-27	2	0	39.	5 r32; 5.8; $5\frac{32}{40}$; $5\frac{16}{20}$; $5\frac{8}{10}$; $5\frac{4}{5}$	3	0
20.	144	1	0	40.	$\frac{63}{60}$; $1\frac{3}{60}$; $1\frac{1}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $7 + x = 38$ $x = \underline{\hspace{2cm}}$	<p>2</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{14}{44} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $36 + x = 48$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{22} =$ $\underline{\hspace{2cm}}$	<p>6</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-10 + 9 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $6 + x = 44$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{27} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 5 = 23$ $x = \underline{\hspace{2cm}}$	<p>11</p> $20^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{10}{24} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 141 \\ \times 42 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{7}{14} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 451 \\ \times 31 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 26 = 49$ $x = \underline{\hspace{2cm}}$
<p>17</p> $11 + -10 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $20 - x = 11$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-17 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $13^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{29}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.27 =$ <p>_____</p>	<p>23</p> $3.19 + 3.2 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.37 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.103 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $3.47 - 2.7 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{4} =$ <p>_____</p>	<p>28</p> $\frac{8}{5} \cdot \frac{2}{3} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.32 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-12 - -9 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 6\frac{1}{9} \\ + 3\frac{4}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{1}{10} =$ <p>_____</p>
<p>33</p> $7 - -15 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 38 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{28}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 8\frac{5}{7} \\ - 2\frac{3}{7} \\ \hline \end{array}$
<p>37</p> $0.4 \overline{)0.32}$	<p>38</p> $-18 - 2 =$ <p>_____</p>	<p>39</p> $22 \overline{)253}$	<p>40</p> $\frac{9}{9} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 28 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	31	1	0	21.	$14\frac{1}{2}$	2	0
2.	9	1	0	22.	$\frac{27}{100}$	2	0
3.	$\frac{7}{22}$	2	0	23.	6.39	2	0
4.	12	1	0	24.	$\frac{37}{100}$	2	0
5.	$\frac{1}{11}$	1	0	25.	0.3309	3	0
6.	25	1	0	26.	0.77	2	0
7.	-1	2	0	27.	0.25	2	0
8.	38	1	0	28.	$\frac{16}{15}$ or $1\frac{1}{15}$	2	0
9.	$\frac{1}{9}$	1	0	29.	0.132	2	0
10.	28	1	0	30.	-3	3	0
11.	400	1	0	31.	$9\frac{5}{9}$	1	0
12.	$\frac{5}{12}$	1	0	32.	0.1	2	0
13.	5922	1	0	33.	22	3	0
14.	$\frac{1}{2}$	1	0	34.	19	2	0
15.	13,981	1	0	35.	$9\frac{1}{3}$	2	0
16.	23	1	0	36.	$6\frac{2}{7}$	2	0
17.	1	2	0	37.	0.8	3	0
18.	9	1	0	38.	-20	3	0
19.	-30	2	0	39.	11 r11; 11.5; $11\frac{11}{22}$; $11\frac{1}{2}$	3	0
20.	169	1	0	40.	$\frac{63}{45}$; $1\frac{18}{45}$; $1\frac{2}{5}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $19 + x = 30$ $x = \underline{\hspace{2cm}}$	<p>2</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{14}{50} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $7 + x = 31$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{2}{18} =$ $\underline{\hspace{2cm}}$	<p>6</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-12 + 19 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $8 + x = 46$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{7}{28} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 28 = 10$ $x = \underline{\hspace{2cm}}$	<p>11</p> $17^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{50} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 214 \\ \times 15 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{3}{24} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 104 \\ \times 24 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 25 = 28$ $x = \underline{\hspace{2cm}}$
<p>17</p> $6 + -9 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $18 - x = 7$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-1 + -17 =$ $\underline{\hspace{2cm}}$	<p>20</p> $16^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{21}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.17 =$ <p>_____</p>	<p>23</p> $4.08 + 2.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.99 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.202 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $5.51 - 4.3 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{3}{4} =$ <p>_____</p>	<p>28</p> $\frac{7}{4} \cdot \frac{7}{8} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.40 \\ \times 0.5 \\ \hline \end{array}$	<p>30</p> $-8 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 6 \frac{3}{11} \\ + 2 \frac{4}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{5}{10} =$ <p>_____</p>
<p>33</p> $18 - -12 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 40 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{22}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 4 \frac{2}{9} \\ - 1 \frac{1}{9} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.52}$	<p>38</p> $-17 - 13 =$ <p>_____</p>	<p>39</p> $25 \overline{)160}$	<p>40</p> $\frac{9}{10} \div \frac{5}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 29 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	11	1	0	21.	$10\frac{1}{2}$	2	0
2.	16	1	0	22.	$\frac{17}{100}$	2	0
3.	$\frac{7}{25}$	2	0	23.	6.88	2	0
4.	24	1	0	24.	$\frac{99}{100}$	2	0
5.	$\frac{1}{9}$	1	0	25.	0.2404	3	0
6.	49	1	0	26.	1.21	2	0
7.	7	2	0	27.	0.75	2	0
8.	38	1	0	28.	$\frac{49}{32}$ or $1\frac{17}{32}$	2	0
9.	$\frac{1}{4}$	1	0	29.	0.7	2	0
10.	38	1	0	30.	-2	3	0
11.	289	1	0	31.	$8\frac{7}{11}$	1	0
12.	$\frac{6}{25}$	1	0	32.	0.5	2	0
13.	3210	1	0	33.	30	3	0
14.	$\frac{1}{8}$	1	0	34.	20	2	0
15.	2496	1	0	35.	$4\frac{2}{5}$	2	0
16.	3	1	0	36.	$3\frac{1}{9}$	2	0
17.	-3	2	0	37.	2.6	3	0
18.	11	1	0	38.	-30	3	0
19.	-18	2	0	39.	6 r10; 6.4; $6\frac{10}{25}$; $6\frac{2}{5}$	3	0
20.	256	1	0	40.	$\frac{63}{50}$ or $1\frac{13}{50}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $7 + x = 11$ $x = \underline{\hspace{2cm}}$	<p>2</p> $3^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{6}{50} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $5 + x = 22$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{5}{25} =$ $\underline{\hspace{2cm}}$	<p>6</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-14 + 6 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $9 + x = 16$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{7}{21} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 4 = 36$ $x = \underline{\hspace{2cm}}$	<p>11</p> $13^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{14}{48} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 154 \\ \times 25 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{10} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 315 \\ \times 26 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 22 = 40$ $x = \underline{\hspace{2cm}}$
<p>17</p> $13 + -5 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $15 - x = 9$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-14 + -10 =$ $\underline{\hspace{2cm}}$	<p>20</p> $10^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{23}{4} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.19 =$ <p>_____</p>	<p>23</p> $3.02 + 0.2 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.03 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.120 \\ \times 0.30 \\ \hline \end{array}$	<p>26</p> $6.22 - 1.1 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{4} =$ <p>_____</p>	<p>28</p> $\frac{5}{8} \cdot \frac{7}{2} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.01 \\ \times 0.3 \\ \hline \end{array}$	<p>30</p> $-10 - -6 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 4 \frac{3}{7} \\ + 6 \frac{2}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{7}{10} =$ <p>_____</p>
<p>33</p> $12 - -5 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 100 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{15}{7} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5 \frac{3}{5} \\ - 2 \frac{2}{5} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.36}$	<p>38</p> $-11 - 11 =$ <p>_____</p>	<p>39</p> $42 \overline{)231}$	<p>40</p> $\frac{9}{9} \div \frac{2}{5} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 30 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4	1	0	21.	$5\frac{3}{4}$	2	0
2.	9	1	0	22.	$\frac{19}{100}$	2	0
3.	$\frac{3}{25}$	2	0	23.	3.22	2	0
4.	17	1	0	24.	$\frac{3}{100}$	2	0
5.	$\frac{1}{5}$	1	0	25.	0.336	3	0
6.	36	1	0	26.	5.12	2	0
7.	-8	2	0	27.	0.25	2	0
8.	7	1	0	28.	$\frac{35}{16}$ or $2\frac{3}{16}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.303	2	0
10.	40	1	0	30.	-4	3	0
11.	169	1	0	31.	$10\frac{5}{7}$	1	0
12.	$\frac{7}{24}$	1	0	32.	0.7	2	0
13.	3850	1	0	33.	17	3	0
14.	$\frac{1}{2}$	1	0	34.	50	2	0
15.	8190	1	0	35.	$2\frac{1}{7}$	2	0
16.	18	1	0	36.	$3\frac{1}{5}$	2	0
17.	8	2	0	37.	1.2	3	0
18.	6	1	0	38.	-22	3	0
19.	-24	2	0	39.	5 r21; 5.5; $5\frac{21}{42}$; $5\frac{7}{14}$; $5\frac{3}{6}$; $5\frac{1}{2}$	3	0
20.	100	1	0	40.	$\frac{45}{18}$; $2\frac{9}{18}$; $2\frac{1}{2}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $33 + x = 36$ $x = \underline{\hspace{2cm}}$	<p>2</p> $7^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{8}{10} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $38 + x = 45$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{3}{15} =$ $\underline{\hspace{2cm}}$	<p>6</p> $4^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-6 + 2 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $21 + x = 32$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{4}{12} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 17 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $19^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{4}{50} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 331 \\ \times 42 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{11}{77} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 514 \\ \times 32 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 29 = 35$ $x = \underline{\hspace{2cm}}$
<p>17</p> $8 + -4 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $24 - x = 9$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-6 + -14 =$ $\underline{\hspace{2cm}}$	<p>20</p> $11^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{23}{5} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.89 =$ <p>_____</p>	<p>23</p> $2.13 + 2.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.71 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.235 \\ \times 0.10 \\ \hline \end{array}$	<p>26</p> $4.18 - 3.1 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{3}{4} =$ <p>_____</p>	<p>28</p> $\frac{9}{2} \cdot \frac{3}{8} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.02 \\ \times 0.4 \\ \hline \end{array}$	<p>30</p> $-18 - -16 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 4 \frac{2}{7} \\ + 3 \frac{4}{7} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{2}{10} =$ <p>_____</p>
<p>33</p> $16 - -9 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 74 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{22}{3} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 5 \frac{5}{11} \\ - 4 \frac{3}{11} \\ \hline \end{array}$
<p>37</p> $0.2 \overline{)0.24}$	<p>38</p> $-5 - 4 =$ <p>_____</p>	<p>39</p> $12 \overline{)414}$	<p>40</p> $\frac{9}{10} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 31 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	3	1	0	21.	$4\frac{3}{5}$	2	0
2.	49	1	0	22.	$\frac{89}{100}$	2	0
3.	$\frac{4}{5}$	2	0	23.	4.93	2	0
4.	7	1	0	24.	$\frac{71}{100}$	2	0
5.	$\frac{1}{5}$	1	0	25.	0.1235	3	0
6.	16	1	0	26.	1.08	2	0
7.	-4	2	0	27.	0.75	2	0
8.	11	1	0	28.	$\frac{27}{16}$ or $1\frac{11}{16}$	2	0
9.	$\frac{1}{3}$	1	0	29.	0.408	2	0
10.	19	1	0	30.	-2	3	0
11.	361	1	0	31.	$7\frac{6}{7}$	1	0
12.	$\frac{2}{25}$	1	0	32.	0.2	2	0
13.	13,902	1	0	33.	25	3	0
14.	$\frac{1}{7}$	1	0	34.	37	2	0
15.	16,448	1	0	35.	$7\frac{1}{3}$	2	0
16.	6	1	0	36.	$1\frac{2}{11}$	2	0
17.	4	2	0	37.	1.2	3	0
18.	15	1	0	38.	-9	3	0
19.	-20	2	0	39.	34 r6; 34.5; $34\frac{6}{12}$; $34\frac{2}{4}$; $34\frac{1}{2}$	3	0
20.	121	1	0	40.	$\frac{63}{60}$; $1\frac{3}{60}$; $1\frac{1}{20}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $23 + x = 37$ $x = \underline{\hspace{2cm}}$	<p>2</p> $6^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{6}{52} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $8 + x = 35$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{7}{14} =$ $\underline{\hspace{2cm}}$	<p>6</p> $9^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-13 + 17 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $15 + x = 20$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{3}{18} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 25 = 2$ $x = \underline{\hspace{2cm}}$	<p>11</p> $14^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{12}{21} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 530 \\ \times 35 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{5}{15} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 230 \\ \times 24 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 18 = 38$ $x = \underline{\hspace{2cm}}$
<p>17</p> $12 + -3 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $49 - x = 48$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-2 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $19^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{5}{3} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.59 =$ <p>_____</p>	<p>23</p> $1.04 + 0.8 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.87 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.324 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $3.57 - 3.4 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{1}{5} =$ <p>_____</p>	<p>28</p> $\frac{4}{5} \cdot \frac{7}{5} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.04 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-2 - -9 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 3\frac{1}{11} \\ + 3\frac{1}{11} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{1}{10} =$ <p>_____</p>
<p>33</p> $14 - -7 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 98 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{29}{4} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 6\frac{5}{14} \\ - 2\frac{4}{14} \\ \hline \end{array}$
<p>37</p> $0.5 \overline{)0.20}$	<p>38</p> $-15 - 15 =$ <p>_____</p>	<p>39</p> $55 \overline{)462}$	<p>40</p> $\frac{9}{10} \div \frac{1}{9} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 32 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	14	1	0	21.	$1\frac{2}{3}$	2	0
2.	36	1	0	22.	$\frac{59}{100}$	2	0
3.	$\frac{3}{26}$	2	0	23.	1.84	2	0
4.	27	1	0	24.	$\frac{87}{100}$	2	0
5.	$\frac{1}{2}$	1	0	25.	0.2648	3	0
6.	81	1	0	26.	0.17	2	0
7.	4	2	0	27.	0.20	2	0
8.	5	1	0	28.	$\frac{28}{25}$ or $1\frac{3}{25}$	2	0
9.	$\frac{1}{6}$	1	0	29.	0.104	2	0
10.	27	1	0	30.	7	3	0
11.	196	1	0	31.	$6\frac{2}{11}$	1	0
12.	$\frac{4}{7}$	1	0	32.	0.1	2	0
13.	18,550	1	0	33.	21	3	0
14.	$\frac{1}{3}$	1	0	34.	49	2	0
15.	5520	1	0	35.	$7\frac{1}{4}$	2	0
16.	20	1	0	36.	$4\frac{1}{14}$	2	0
17.	9	2	0	37.	0.4	3	0
18.	1	1	0	38.	-30	3	0
19.	-15	2	0	39.	8 r22; 8.4; $8\frac{22}{55}$; $8\frac{2}{5}$	3	0
20.	361	1	0	40.	$\frac{81}{10}$; $8\frac{1}{10}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

<p>1 Solve for x</p> $27 + x = 42$ $x = \underline{\hspace{2cm}}$	<p>2</p> $5^2 =$ $\underline{\hspace{2cm}}$	<p>3 Write the fraction in lowest terms</p> $\frac{12}{15} =$ $\underline{\hspace{2cm}}$	<p>4 Solve for x</p> $39 + x = 47$ $x = \underline{\hspace{2cm}}$
<p>5 Write the fraction in lowest terms</p> $\frac{11}{77} =$ $\underline{\hspace{2cm}}$	<p>6</p> $8^2 =$ $\underline{\hspace{2cm}}$	<p>7</p> $-13 + 9 =$ $\underline{\hspace{2cm}}$	<p>8 Solve for x</p> $12 + x = 44$ $x = \underline{\hspace{2cm}}$
<p>9 Write the fraction in lowest terms</p> $\frac{5}{25} =$ $\underline{\hspace{2cm}}$	<p>10 Solve for x</p> $x - 20 = 6$ $x = \underline{\hspace{2cm}}$	<p>11</p> $15^2 =$ $\underline{\hspace{2cm}}$	<p>12 Write the fraction in lowest terms</p> $\frac{14}{50} =$ $\underline{\hspace{2cm}}$
<p>13</p> $\begin{array}{r} 115 \\ \times 30 \\ \hline \end{array}$	<p>14 Write the fraction in lowest terms</p> $\frac{3}{9} =$ $\underline{\hspace{2cm}}$	<p>15</p> $\begin{array}{r} 231 \\ \times 35 \\ \hline \end{array}$	<p>16 Solve for x</p> $x + 18 = 22$ $x = \underline{\hspace{2cm}}$
<p>17</p> $2 + -3 =$ $\underline{\hspace{2cm}}$	<p>18 Solve for x</p> $42 - x = 19$ $x = \underline{\hspace{2cm}}$	<p>19</p> $-7 + -13 =$ $\underline{\hspace{2cm}}$	<p>20</p> $13^2 =$ $\underline{\hspace{2cm}}$

Student:

Teacher:

Date:

<p>21 Write fraction as a mixed number</p> $\frac{25}{2} =$ <p>_____</p>	<p>22 Convert to fraction</p> $0.61 =$ <p>_____</p>	<p>23</p> $1.03 + 0.9 =$ <p>_____</p>	<p>24 Convert to fraction</p> $0.83 =$ <p>_____</p>
<p>25</p> $\begin{array}{r} 1.214 \\ \times 0.20 \\ \hline \end{array}$	<p>26</p> $3.76 - 2.6 =$ <p>_____</p>	<p>27 Convert to decimal</p> $\frac{9}{12} =$ <p>_____</p>	<p>28</p> $\frac{5}{2} \cdot \frac{3}{7} =$ <p>_____</p>
<p>29</p> $\begin{array}{r} 1.12 \\ \times 0.1 \\ \hline \end{array}$	<p>30</p> $-3 - -10 =$ <p>_____</p>	<p>31</p> $\begin{array}{r} 6 \frac{1}{9} \\ + 3 \frac{4}{9} \\ \hline \end{array}$	<p>32 Convert to decimal</p> $\frac{9}{10} =$ <p>_____</p>
<p>33</p> $5 - -6 =$ <p>_____</p>	<p>34</p> $50\% \text{ of } 54 =$ <p>_____</p>	<p>35 Write fraction as a mixed number</p> $\frac{21}{5} =$ <p>_____</p>	<p>36</p> $\begin{array}{r} 9 \frac{5}{10} \\ - 6 \frac{2}{10} \\ \hline \end{array}$
<p>37</p> $0.3 \overline{)0.15}$	<p>38</p> $-8 - 4 =$ <p>_____</p>	<p>39</p> $40 \overline{)344}$	<p>40</p> $\frac{8}{9} \div \frac{6}{7} =$ <p>_____</p>

Student:

Teacher:

Date:

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. Note that the answer key provides the correct answers for each problem, but is not exhaustive. **NOTE:** Unless a mixed number is specifically requested, a reduced improper fraction may be considered the simplest form and scored as correct. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 7, Probe 33 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	15	1	0	21.	$12\frac{1}{2}$	2	0
2.	25	1	0	22.	$\frac{61}{100}$	2	0
3.	$\frac{4}{5}$	2	0	23.	1.93	2	0
4.	8	1	0	24.	$\frac{83}{100}$	2	0
5.	$\frac{1}{7}$	1	0	25.	0.2428	3	0
6.	64	1	0	26.	1.16	2	0
7.	-4	2	0	27.	0.75	2	0
8.	32	1	0	28.	$\frac{15}{14}$ or $1\frac{1}{14}$	2	0
9.	$\frac{1}{5}$	1	0	29.	0.112	2	0
10.	26	1	0	30.	7	3	0
11.	225	1	0	31.	$9\frac{5}{9}$	1	0
12.	$\frac{7}{25}$	1	0	32.	0.9	2	0
13.	3450	1	0	33.	11	3	0
14.	$\frac{1}{3}$	1	0	34.	27	2	0
15.	8085	1	0	35.	$4\frac{1}{5}$	2	0
16.	4	1	0	36.	$3\frac{3}{10}$	2	0
17.	-1	2	0	37.	0.5	3	0
18.	23	1	0	38.	-12	3	0
19.	-20	2	0	39.	8 r24; 8.6; $8\frac{24}{40}$; $8\frac{12}{20}$; $8\frac{6}{10}$; $8\frac{3}{5}$	3	0
20.	169	1	0	40.	$\frac{56}{54}$; $1\frac{2}{54}$; $1\frac{1}{27}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2