

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.84 \\ + 3.07 \\ \hline \end{array}$	2 $\begin{array}{r} 15 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 6 $7 - x$ 	4 Write the fraction in lowest terms $\frac{2}{8} =$
5 $\begin{array}{r} 10 \\ \times 13 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 2 $5 - x$ 	7 $\begin{array}{r} 5.46 \\ - 2.19 \\ \hline \end{array}$	8 $\begin{array}{r} 16 \\ \times 5 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 3 $x + 2$ 	10 Write the fraction in lowest terms $\frac{5}{10} =$ 	11 Evaluate the expression when x is equal to 5 $9 + x$ 	12 Write the fraction in lowest terms $\frac{4}{38} =$
13 $\frac{17}{67} + \frac{15}{67} =$ 	14 Convert to fraction $0.71 =$ 	15 $\frac{19}{23} - \frac{12}{23} =$ 	16 Write the fraction in lowest terms $\frac{14}{36} =$
17 $\frac{13}{71} + \frac{13}{71} =$ 	18 $\begin{array}{r} 282 \\ \times 21 \\ \hline \end{array}$	19 $\frac{37}{49} - \frac{22}{49} =$ 	20 Convert to decimal $\frac{3}{6} =$

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21 $\begin{array}{r} 219 \\ \times 11 \\ \hline \end{array}$	22 $\frac{18}{26} + \frac{7}{52} =$ _____	23 $0.85 - 0.5 =$ _____	24 $13 \overline{)247}$
25 $0.78 + 0.2 =$ _____	26 $-1 + -7 =$ _____	27 $4.56 + 1.6 =$ _____	28 Convert to decimal $\frac{1}{10} =$ _____
29 $-8 + 7 =$ _____	30 $50\% \text{ of } 50 =$ _____	31 Convert to fraction $0.87 =$ _____	32 $3.24 - 1.3 =$ _____
33 $25 \overline{)160}$	34 $1 + -2 =$ _____	35 $-9 - -5 =$ _____	36 $4 - -3 =$ _____
37 $\begin{array}{r} 0.21 \\ \times 2.2 \\ \hline \end{array}$	38 $3.0 \overline{)1.2}$	39 $\frac{1}{3} \div \frac{4}{5} =$ _____	40 $\frac{7}{15} \times \frac{2}{15} =$ _____

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Grade 6, Probe 4 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.91	1	0	21.	2409	2	0
2.	120	1	0	22.	$\frac{43}{52}$	3	0
3.	1	1	0	23.	0.35	2	0
4.	$\frac{1}{4}$	1	0	24.	19	2	0
5.	130	1	0	25.	0.98	2	0
6.	3	1	0	26.	-8	2	0
7.	3.27	1	0	27.	6.16	2	0
8.	80	1	0	28.	0.1	2	0
9.	5	1	0	29.	-1	2	0
10.	$\frac{1}{2}$	2	0	30.	25	3	0
11.	14	1	0	31.	$\frac{87}{100}$	1	0
12.	$\frac{2}{19}$	1	0	32.	1.94	3	0
13.	$\frac{32}{67}$	2	0	33.	6 r10; 6.4; $6\frac{10}{25}$; $6\frac{2}{5}$	3	0
14.	$\frac{71}{100}$	2	0	34.	-1	2	0
15.	$\frac{7}{23}$	1	0	35.	-4	3	0
16.	$\frac{7}{18}$	1	0	36.	7	3	0
17.	$\frac{26}{71}$	1	0	37.	0.462	3	0
18.	5922	2	0	38.	0.4	3	0
19.	$\frac{15}{49}$	1	0	39.	$\frac{5}{12}$	3	0
20.	0.5	2	0	40.	$\frac{14}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 6.32 \\ + 2.59 \\ \hline \end{array}$	2 $\begin{array}{r} 15 \\ \times 6 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 3 $x - 2$ _____	4 Write the fraction in lowest terms $\frac{3}{6} =$ _____
5 $\begin{array}{r} 10 \\ \times 16 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 6 $x - 6$ _____	7 $\begin{array}{r} 2.74 \\ - 1.65 \\ \hline \end{array}$	8 $\begin{array}{r} 13 \\ \times 8 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 7 $1 + x$ _____	10 Write the fraction in lowest terms $\frac{3}{21} =$ _____	11 Evaluate the expression when x is equal to 1 $6 + x$ _____	12 Write the fraction in lowest terms $\frac{10}{26} =$ _____
13 $\frac{19}{71} + \frac{18}{71} =$ _____	14 Convert to fraction $0.47 =$ _____	15 $\frac{18}{23} - \frac{16}{23} =$ _____	16 Write the fraction in lowest terms $\frac{6}{38} =$ _____
17 $\frac{19}{43} + \frac{15}{43} =$ _____	18 $\begin{array}{r} 541 \\ \times 25 \\ \hline \end{array}$	19 $\frac{15}{21} - \frac{11}{21} =$ _____	20 Convert to decimal $\frac{8}{10} =$ _____

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21 $\begin{array}{r} 440 \\ \times 12 \\ \hline \end{array}$	22 $\frac{11}{22} + \frac{9}{44} =$ _____	23 $0.76 - 0.6 =$ _____	24 $54 \overline{)378}$
25 $0.49 + 0.3 =$ _____	26 $-2 + -4 =$ _____	27 $2.72 + 5.4 =$ _____	28 Convert to decimal $\frac{3}{6} =$ _____
29 $-2 + 6 =$ _____	30 $60\% \text{ of } 80 =$ _____	31 Convert to fraction $0.71 =$ _____	32 $5.24 - 3.3 =$ _____
33 $50 \overline{)210}$	34 $5 + -4 =$ _____	35 $-10 - -4 =$ _____	36 $5 - -3 =$ _____
37 $\begin{array}{r} 0.13 \\ \times 2.1 \\ \hline \end{array}$	38 $2.3 \overline{)1.15}$	39 $\frac{1}{2} \div \frac{4}{5} =$ _____	40 $\frac{3}{11} \times \frac{7}{11} =$ _____

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Grade 6, Probe 5 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.91	1	0	21.	5280	2	0
2.	90	1	0	22.	$\frac{31}{44}$	3	0
3.	1	1	0	23.	0.16	2	0
4.	$\frac{1}{2}$	1	0	24.	7	2	0
5.	160	1	0	25.	0.79	2	0
6.	0	1	0	26.	-6	2	0
7.	1.09	1	0	27.	8.12	2	0
8.	104	1	0	28.	0.5	2	0
9.	8	1	0	29.	4	2	0
10.	$\frac{1}{7}$	2	0	30.	48	3	0
11.	7	1	0	31.	$\frac{71}{100}$	1	0
12.	$\frac{5}{13}$	1	0	32.	1.94	3	0
13.	$\frac{37}{71}$	2	0	33.	4 r10; 4.2; $4\frac{10}{50}$; $4\frac{5}{25}$; $4\frac{2}{10}$; $4\frac{1}{5}$	3	0
14.	$\frac{47}{100}$	2	0	34.	1	2	0
15.	$\frac{2}{23}$	1	0	35.	-6	3	0
16.	$\frac{3}{19}$	1	0	36.	8	3	0
17.	$\frac{34}{43}$	1	0	37.	0.273	3	0
18.	13,525	2	0	38.	0.5	3	0
19.	$\frac{4}{21}$	1	0	39.	$\frac{5}{8}$	3	0
20.	0.8	2	0	40.	$\frac{21}{121}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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1 $\begin{array}{r} 7.62 \\ + 2.18 \\ \hline \end{array}$	2 $\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 8 $x - 5$ 	4 Write the fraction in lowest terms $\frac{3}{24} =$
5 $\begin{array}{r} 11 \\ \times 14 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 2 $7 - x$ 	7 $\begin{array}{r} 5.85 \\ - 3.68 \\ \hline \end{array}$	8 $\begin{array}{r} 18 \\ \times 9 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 3 $6 + x$ 	10 Write the fraction in lowest terms $\frac{2}{26} =$ 	11 Evaluate the expression when x is equal to 9 $1 + x$ 	12 Write the fraction in lowest terms $\frac{6}{40} =$
13 $\frac{18}{53} + \frac{14}{53} =$ 	14 Convert to fraction $0.13 =$ 	15 $\frac{12}{23} - \frac{10}{23} =$ 	16 Write the fraction in lowest terms $\frac{8}{34} =$
17 $\frac{19}{59} + \frac{14}{59} =$ 	18 $\begin{array}{r} 390 \\ \times 61 \\ \hline \end{array}$	19 $\frac{27}{57} - \frac{16}{57} =$ 	20 Convert to decimal $\frac{3}{10} =$

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21 $\begin{array}{r} 526 \\ \times 11 \\ \hline \end{array}$	22 $\frac{26}{32} + \frac{1}{64} =$ _____	23 $0.74 - 0.1 =$ _____	24 $32 \overline{)256}$
25 $0.79 + 0.2 =$ _____	26 $-3 + -8 =$ _____	27 $4.45 + 4.7 =$ _____	28 Convert to decimal $\frac{2}{4} =$ _____
29 $-9 + 8 =$ _____	30 $20\% \text{ of } 50 =$ _____	31 Convert to fraction $0.19 =$ _____	32 $4.45 - 3.5 =$ _____
33 $42 \overline{)105}$	34 $5 + -4 =$ _____	35 $-9 - -8 =$ _____	36 $1 - -1 =$ _____
37 $\begin{array}{r} 0.24 \\ \times 1.2 \\ \hline \end{array}$	38 $3.1 \overline{)4.03}$	39 $\frac{1}{5} \div \frac{1}{4} =$ _____	40 $\frac{2}{11} \times \frac{3}{11} =$ _____

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Grade 6, Probe 6 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.8	1	0	21.	5786	2	0
2.	64	1	0	22.	$\frac{53}{64}$	3	0
3.	3	1	0	23.	0.64	2	0
4.	$\frac{1}{8}$	1	0	24.	8	2	0
5.	154	1	0	25.	0.99	2	0
6.	5	1	0	26.	-11	2	0
7.	2.17	1	0	27.	9.15	2	0
8.	162	1	0	28.	0.5	2	0
9.	9	1	0	29.	-1	2	0
10.	$\frac{1}{13}$	2	0	30.	10	3	0
11.	10	1	0	31.	$\frac{19}{100}$	1	0
12.	$\frac{3}{20}$	1	0	32.	0.95	3	0
13.	$\frac{32}{53}$	2	0	33.	2 r21; 2.5; $2\frac{21}{42}$; $2\frac{7}{14}$; $2\frac{1}{2}$	3	0
14.	$\frac{13}{100}$	2	0	34.	1	2	0
15.	$\frac{2}{23}$	1	0	35.	-1	3	0
16.	$\frac{4}{17}$	1	0	36.	2	3	0
17.	$\frac{33}{59}$	1	0	37.	0.288	3	0
18.	23,790	2	0	38.	1.3	3	0
19.	$\frac{11}{57}$	1	0	39.	$\frac{4}{5}$	3	0
20.	0.3	2	0	40.	$\frac{6}{121}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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1 $\begin{array}{r} 5.43 \\ + 4.38 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 2 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 7 $x - 1$ 	4 Write the fraction in lowest terms $\frac{7}{14} =$
5 $\begin{array}{r} 10 \\ \times 14 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 8 $x - 5$ 	7 $\begin{array}{r} 5.34 \\ - 4.15 \\ \hline \end{array}$	8 $\begin{array}{r} 16 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $4 + x$ 	10 Write the fraction in lowest terms $\frac{2}{28} =$ 	11 Evaluate the expression when x is equal to 3 $9 + x$ 	12 Write the fraction in lowest terms $\frac{14}{22} =$
13 $\frac{18}{71} + \frac{13}{71} =$ 	14 Convert to fraction $0.29 =$ 	15 $\frac{27}{39} - \frac{23}{39} =$ 	16 Write the fraction in lowest terms $\frac{6}{56} =$
17 $\frac{13}{45} + \frac{28}{45} =$ 	18 $\begin{array}{r} 115 \\ \times 25 \\ \hline \end{array}$	19 $\frac{36}{37} - \frac{12}{37} =$ 	20 Convert to decimal $\frac{2}{4} =$

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21 $\begin{array}{r} 422 \\ \times 20 \\ \hline \end{array}$	22 $\frac{24}{32} + \frac{5}{64} =$ _____	23 $0.96 - 0.4 =$ _____	24 $12 \overline{)324}$
25 $0.38 + 0.6 =$ _____	26 $^{-}3 + ^{-}9 =$ _____	27 $5.55 + 3.8 =$ _____	28 Convert to decimal $\frac{9}{10} =$ _____
29 $^{-}6 + 1 =$ _____	30 $40\% \text{ of } 50 =$ _____	31 Convert to fraction $0.31 =$ _____	32 $3.44 - 1.5 =$ _____
33 $32 \overline{)144}$	34 $4 + ^{-}9 =$ _____	35 $^{-}8 - ^{-}7 =$ _____	36 $7 - ^{-}1 =$ _____
37 $\begin{array}{r} 0.33 \\ \times 1.3 \\ \hline \end{array}$	38 $4.4 \overline{)1.32}$	39 $\frac{1}{4} \div \frac{2}{5} =$ _____	40 $\frac{4}{15} \times \frac{8}{15} =$ _____

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Grade 6, Probe 7 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.81	1	0	21.	8440	2	0
2.	38	1	0	22.	$\frac{53}{64}$	3	0
3.	6	1	0	23.	0.56	2	0
4.	$\frac{1}{2}$	1	0	24.	27	2	0
5.	140	1	0	25.	0.98	2	0
6.	3	1	0	26.	-12	2	0
7.	1.19	1	0	27.	9.35	2	0
8.	96	1	0	28.	0.9	2	0
9.	5	1	0	29.	-5	2	0
10.	$\frac{1}{14}$	2	0	30.	20	3	0
11.	12	1	0	31.	$\frac{31}{100}$	1	0
12.	$\frac{7}{11}$	1	0	32.	1.94	3	0
13.	$\frac{31}{71}$	2	0	33.	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
14.	$\frac{29}{100}$	2	0	34.	-5	2	0
15.	$\frac{4}{39}$	1	0	35.	-1	3	0
16.	$\frac{3}{28}$	1	0	36.	8	3	0
17.	$\frac{41}{45}$	1	0	37.	0.429	3	0
18.	2875	2	0	38.	0.3	3	0
19.	$\frac{24}{37}$	1	0	39.	$\frac{5}{8}$	3	0
20.	0.5	2	0	40.	$\frac{32}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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1 $\begin{array}{r} 3.36 \\ + 1.46 \\ \hline \end{array}$	2 $\begin{array}{r} 14 \\ \times 4 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 9 $x - 1$ _____	4 Write the fraction in lowest terms $\frac{2}{20} =$ _____
5 $\begin{array}{r} 18 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 8 $x - 6$ _____	7 $\begin{array}{r} 5.51 \\ - 1.29 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $3 + x$ _____	10 Write the fraction in lowest terms $\frac{3}{6} =$ _____	11 Evaluate the expression when x is equal to 2 $4 + x$ _____	12 Write the fraction in lowest terms $\frac{14}{50} =$ _____
13 $\frac{14}{45} + \frac{17}{45} =$ _____	14 Convert to fraction $0.47 =$ _____	15 $\frac{12}{29} - \frac{10}{29} =$ _____	16 Write the fraction in lowest terms $\frac{10}{36} =$ _____
17 $\frac{18}{47} + \frac{13}{47} =$ _____	18 $\begin{array}{r} 152 \\ \times 15 \\ \hline \end{array}$	19 $\frac{16}{23} - \frac{11}{23} =$ _____	20 Convert to decimal $\frac{1}{5} =$ _____

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21 $\begin{array}{r} 524 \\ \times 11 \\ \hline \end{array}$	22 $\frac{20}{26} + \frac{9}{52} =$ _____	23 $0.99 - 0.3 =$ _____	24 $30 \overline{)270}$
25 $0.42 + 0.3 =$ _____	26 $-1 + -9 =$ _____	27 $4.64 + 4.5 =$ _____	28 Convert to decimal $\frac{6}{8} =$ _____
29 $-5 + 8 =$ _____	30 $20\% \text{ of } 45 =$ _____	31 Convert to fraction $0.17 =$ _____	32 $3.34 - 1.4 =$ _____
33 $45 \overline{)423}$	34 $5 + -3 =$ _____	35 $-7 - -6 =$ _____	36 $8 - -8 =$ _____
37 $\begin{array}{r} 0.14 \\ \times 2.2 \\ \hline \end{array}$	38 $4.0 \overline{)2.4}$	39 $\frac{2}{4} \div \frac{4}{5} =$ _____	40 $\frac{9}{20} \times \frac{1}{20} =$ _____

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Grade 6, Probe 8 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4.82	1	0	21.	5764	2	0
2.	56	1	0	22.	$\frac{49}{52}$	3	0
3.	8	1	0	23.	0.69	2	0
4.	$\frac{1}{10}$	1	0	24.	9	2	0
5.	180	1	0	25.	0.72	2	0
6.	2	1	0	26.	-10	2	0
7.	4.22	1	0	27.	9.14	2	0
8.	90	1	0	28.	0.75	2	0
9.	4	1	0	29.	3	2	0
10.	$\frac{1}{2}$	2	0	30.	9	3	0
11.	6	1	0	31.	$\frac{17}{100}$	1	0
12.	$\frac{7}{25}$	1	0	32.	1.94	3	0
13.	$\frac{31}{45}$	2	0	33.	9 r18; 9.4; $9\frac{18}{45}$; $9\frac{6}{15}$; $9\frac{2}{5}$	3	0
14.	$\frac{47}{100}$	2	0	34.	2	2	0
15.	$\frac{2}{29}$	1	0	35.	-1	3	0
16.	$\frac{5}{18}$	1	0	36.	16	3	0
17.	$\frac{31}{47}$	1	0	37.	0.308	3	0
18.	2280	2	0	38.	0.6	3	0
19.	$\frac{5}{23}$	1	0	39.	$\frac{10}{16}$ or $\frac{5}{8}$	3	0
20.	0.2	2	0	40.	$\frac{9}{400}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

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1 $\begin{array}{r} 4.65 \\ + 4.28 \\ \hline \end{array}$	2 $\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 5 $x - 1$ 	4 Write the fraction in lowest terms $\frac{2}{26} =$
5 $\begin{array}{r} 14 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 6 $x - 3$ 	7 $\begin{array}{r} 9.46 \\ - 8.29 \\ \hline \end{array}$	8 $\begin{array}{r} 13 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 4 $x + 3$ 	10 Write the fraction in lowest terms $\frac{3}{15} =$ 	11 Evaluate the expression when x is equal to 7 $7 + x$ 	12 Write the fraction in lowest terms $\frac{12}{38} =$
13 $\frac{11}{59} + \frac{15}{59} =$ 	14 Convert to fraction $0.31 =$ 	15 $\frac{17}{23} - \frac{13}{23} =$ 	16 Write the fraction in lowest terms $\frac{6}{33} =$
17 $\frac{18}{53} + \frac{16}{53} =$ 	18 $\begin{array}{r} 537 \\ \times 31 \\ \hline \end{array}$	19 $\frac{40}{47} - \frac{33}{47} =$ 	20 Convert to decimal $\frac{6}{8} =$

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21 $\begin{array}{r} 133 \\ \times 32 \\ \hline \end{array}$	22 $\frac{12}{28} + \frac{7}{56} =$ _____	23 $0.82 - 0.4 =$ _____	24 $15 \overline{)285}$
25 $0.47 + 0.5 =$ _____	26 $-7 + -8 =$ _____	27 $5.28 + 2.8 =$ _____	28 Convert to decimal $\frac{2}{5} =$ _____
29 $-7 + 6 =$ _____	30 $20\% \text{ of } 80 =$ _____	31 Convert to fraction $0.11 =$ _____	32 $2.24 - 1.3 =$ _____
33 $40 \overline{)344}$	34 $3 + -6 =$ _____	35 $-5 - -1 =$ _____	36 $8 - -6 =$ _____
37 $\begin{array}{r} 0.23 \\ \times 3.1 \\ \hline \end{array}$	38 $1.4 \overline{)2.24}$	39 $\frac{1}{3} \div \frac{2}{5} =$ _____	40 $\frac{9}{15} \times \frac{2}{15} =$ _____

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Grade 6, Probe 9 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.93	1	0	21.	4256	2	0
2.	51	1	0	22.	$\frac{31}{56}$	3	0
3.	4	1	0	23.	0.42	2	0
4.	$\frac{1}{13}$	1	0	24.	19	2	0
5.	154	1	0	25.	0.97	2	0
6.	3	1	0	26.	-15	2	0
7.	1.17	1	0	27.	8.08	2	0
8.	78	1	0	28.	0.4	2	0
9.	7	1	0	29.	-1	2	0
10.	$\frac{1}{5}$	2	0	30.	16	3	0
11.	14	1	0	31.	$\frac{11}{100}$	1	0
12.	$\frac{6}{19}$	1	0	32.	0.94	3	0
13.	$\frac{26}{59}$	2	0	33.	8 r24; 8.6; $8\frac{24}{40}$; $8\frac{12}{20}$; $8\frac{6}{10}$; $8\frac{3}{5}$	3	0
14.	$\frac{31}{100}$	2	0	34.	-3	2	0
15.	$\frac{4}{23}$	1	0	35.	-4	3	0
16.	$\frac{2}{11}$	1	0	36.	14	3	0
17.	$\frac{34}{53}$	1	0	37.	0.713	3	0
18.	16,647	2	0	38.	1.6	3	0
19.	$\frac{7}{47}$	1	0	39.	$\frac{5}{6}$	3	0
20.	0.75	2	0	40.	$\frac{18}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 4.09 \\ + 3.86 \\ \hline \end{array}$	2 $\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 9 $x - 6$ 	4 Write the fraction in lowest terms $\frac{7}{14} =$
5 $\begin{array}{r} 11 \\ \times 13 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 8 $9 - x$ 	7 $\begin{array}{r} 3.34 \\ - 1.15 \\ \hline \end{array}$	8 $\begin{array}{r} 19 \\ \times 5 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 4 $3 + x$ 	10 Write the fraction in lowest terms $\frac{11}{55} =$ 	11 Evaluate the expression when x is equal to 7 $8 + x$ 	12 Write the fraction in lowest terms $\frac{10}{38} =$
13 $\frac{19}{61} + \frac{15}{61} =$ 	14 Convert to fraction $0.13 =$ 	15 $\frac{21}{25} - \frac{13}{25} =$ 	16 Write the fraction in lowest terms $\frac{14}{26} =$
17 $\frac{17}{53} + \frac{15}{53} =$ 	18 $\begin{array}{r} 542 \\ \times 42 \\ \hline \end{array}$	19 $\frac{18}{21} - \frac{10}{21} =$ 	20 Convert to decimal $\frac{9}{12} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 355 \\ \times 11 \\ \hline \end{array}$	22 $\frac{16}{33} + \frac{5}{66} =$ _____	23 $0.54 - 0.1 =$ _____	24 $22 \overline{)396}$
25 $0.33 + 0.4 =$ _____	26 $^{-}3 + ^{-}4 =$ _____	27 $4.78 + 1.9 =$ _____	28 Convert to decimal $\frac{1}{2} =$ _____
29 $^{-}4 + 6 =$ _____	30 $50\% \text{ of } 22 =$ _____	31 Convert to fraction $0.59 =$ _____	32 $3.12 - 2.2 =$ _____
33 $40 \overline{)232}$	34 $6 + ^{-}9 =$ _____	35 $^{-}9 - ^{-}7 =$ _____	36 $7 - ^{-}2 =$ _____
37 $\begin{array}{r} 0.23 \\ \times 1.3 \\ \hline \end{array}$	38 $0.3 \overline{)1.32}$	39 $\frac{1}{2} \div \frac{3}{4} =$ _____	40 $\frac{3}{20} \times \frac{9}{20} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 10 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7.95	1	0	21.	3905	2	0
2.	72	1	0	22.	$\frac{37}{66}$	3	0
3.	3	1	0	23.	0.44	2	0
4.	$\frac{1}{2}$	1	0	24.	18	2	0
5.	143	1	0	25.	0.73	2	0
6.	1	1	0	26.	-7	2	0
7.	2.19	1	0	27.	6.68	2	0
8.	95	1	0	28.	0.5	2	0
9.	7	1	0	29.	2	2	0
10.	$\frac{1}{5}$	2	0	30.	11	3	0
11.	15	1	0	31.	$\frac{59}{100}$	1	0
12.	$\frac{5}{19}$	1	0	32.	0.92	3	0
13.	$\frac{34}{61}$	2	0	33.	5 r32; 5.8; $5\frac{32}{40}$; $5\frac{8}{10}$; $5\frac{4}{5}$	3	0
14.	$\frac{13}{100}$	2	0	34.	-3	2	0
15.	$\frac{8}{25}$	1	0	35.	-2	3	0
16.	$\frac{7}{13}$	1	0	36.	9	3	0
17.	$\frac{32}{53}$	1	0	37.	0.299	3	0
18.	22,764	2	0	38.	4.4	3	0
19.	$\frac{8}{21}$	1	0	39.	$\frac{4}{6}$ or $\frac{2}{3}$	3	0
20.	0.75	2	0	40.	$\frac{27}{400}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 8.16 \\ + 1.59 \\ \hline \end{array}$	2 $\begin{array}{r} 17 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 5 $7 - x$ 	4 Write the fraction in lowest terms $\frac{7}{14} =$
5 $\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 2 $x - 2$ 	7 $\begin{array}{r} 9.64 \\ - 2.36 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $6 + x$ 	10 Write the fraction in lowest terms $\frac{2}{18} =$ 	11 Evaluate the expression when x is equal to 3 $5 + x$ 	12 Write the fraction in lowest terms $\frac{6}{32} =$
13 $\frac{19}{59} + \frac{15}{59} =$ 	14 Convert to fraction $0.73 =$ 	15 $\frac{23}{29} - \frac{14}{29} =$ 	16 Write the fraction in lowest terms $\frac{10}{16} =$
17 $\frac{17}{47} + \frac{15}{47} =$ 	18 $\begin{array}{r} 247 \\ \times 22 \\ \hline \end{array}$	19 $\frac{16}{23} - \frac{12}{23} =$ 	20 Convert to decimal $\frac{2}{8} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 431 \\ \times 11 \\ \hline \end{array}$	22 $\frac{15}{28} + \frac{7}{56} =$ _____	23 $0.77 - 0.2 =$ _____	24 $53 \overline{)265}$
25 $0.69 + 0.2 =$ _____	26 $^{-}6 + ^{-}6 =$ _____	27 $2.92 + 4.8 =$ _____	28 Convert to decimal $\frac{4}{10} =$ _____
29 $^{-}6 + 3 =$ _____	30 $20\% \text{ of } 60 =$ _____	31 Convert to fraction $0.89 =$ _____	32 $2.41 - 1.5 =$ _____
33 $45 \overline{)342}$	34 $5 + ^{-}2 =$ _____	35 $^{-}8 - ^{-}2 =$ _____	36 $9 - ^{-}8 =$ _____
37 $\begin{array}{r} 0.22 \\ \times 2.4 \\ \hline \end{array}$	38 $1.3 \overline{)4.42}$	39 $\frac{1}{5} \div \frac{3}{4} =$ _____	40 $\frac{5}{14} \times \frac{5}{14} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 11 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.75	1	0	21.	4741	2	0
2.	136	1	0	22.	$\frac{37}{56}$	3	0
3.	2	1	0	23.	0.57	2	0
4.	$\frac{1}{2}$	1	0	24.	5	2	0
5.	132	1	0	25.	0.89	2	0
6.	0	1	0	26.	-12	2	0
7.	7.28	1	0	27.	7.72	2	0
8.	105	1	0	28.	0.4	2	0
9.	7	1	0	29.	-3	2	0
10.	$\frac{1}{9}$	2	0	30.	12	3	0
11.	8	1	0	31.	$\frac{89}{100}$	1	0
12.	$\frac{3}{16}$	1	0	32.	0.91	3	0
13.	$\frac{34}{59}$	2	0	33.	7 r27; 7.6; $7\frac{27}{45}$; $7\frac{9}{15}$; $7\frac{3}{5}$	3	0
14.	$\frac{73}{100}$	2	0	34.	3	2	0
15.	$\frac{9}{29}$	1	0	35.	-6	3	0
16.	$\frac{5}{8}$	1	0	36.	17	3	0
17.	$\frac{32}{47}$	1	0	37.	0.528	3	0
18.	5434	2	0	38.	3.4	3	0
19.	$\frac{4}{23}$	1	0	39.	$\frac{4}{15}$	3	0
20.	0.25	2	0	40.	$\frac{25}{196}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 6.17 \\ + 3.13 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 9 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 7 $x - 4$ 	4 Write the fraction in lowest terms $\frac{2}{8} =$
5 $\begin{array}{r} 10 \\ \times 18 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 6 $8 - x$ 	7 $\begin{array}{r} 2.47 \\ - 1.28 \\ \hline \end{array}$	8 $\begin{array}{r} 18 \\ \times 5 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $4 + x$ 	10 Write the fraction in lowest terms $\frac{3}{24} =$ 	11 Evaluate the expression when x is equal to 5 $x + 2$ 	12 Write the fraction in lowest terms $\frac{12}{57} =$
13 $\frac{19}{53} + \frac{14}{53} =$ 	14 Convert to fraction $0.11 =$ 	15 $\frac{17}{25} - \frac{11}{25} =$ 	16 Write the fraction in lowest terms $\frac{15}{33} =$
17 $\frac{22}{72} + \frac{15}{72} =$ 	18 $\begin{array}{r} 140 \\ \times 25 \\ \hline \end{array}$	19 $\frac{33}{59} - \frac{10}{59} =$ 	20 Convert to decimal $\frac{3}{12} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 232 \\ \times 20 \\ \hline \end{array}$	22 $\frac{15}{26} + \frac{1}{52} =$ _____	23 $0.86 - 0.3 =$ _____	24 $24 \overline{)360}$
25 $0.29 + 0.3 =$ _____	26 $^{-}1 + ^{-}2 =$ _____	27 $3.96 + 3.3 =$ _____	28 Convert to decimal $\frac{2}{10} =$ _____
29 $^{-}1 + 4 =$ _____	30 $60\% \text{ of } 85 =$ _____	31 Convert to fraction $0.39 =$ _____	32 $2.31 - 1.4 =$ _____
33 $20 \overline{)236}$	34 $4 + ^{-}3 =$ _____	35 $^{-}8 - ^{-}6 =$ _____	36 $3 - ^{-}2 =$ _____
37 $\begin{array}{r} 0.14 \\ \times 2.1 \\ \hline \end{array}$	38 $1.4 \overline{)3.5}$	39 $\frac{1}{3} \div \frac{4}{5} =$ _____	40 $\frac{2}{15} \times \frac{2}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 12 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.3	1	0	21.	4640	2	0
2.	171	1	0	22.	$\frac{31}{52}$	3	0
3.	3	1	0	23.	0.56	2	0
4.	$\frac{1}{4}$	1	0	24.	15	2	0
5.	180	1	0	25.	0.59	2	0
6.	2	1	0	26.	-3	2	0
7.	1.19	1	0	27.	7.26	2	0
8.	90	1	0	28.	0.2	2	0
9.	5	1	0	29.	3	2	0
10.	$\frac{1}{8}$	2	0	30.	51	3	0
11.	7	1	0	31.	$\frac{39}{100}$	1	0
12.	$\frac{4}{19}$	1	0	32.	0.91	3	0
13.	$\frac{33}{53}$	2	0	33.	11 r16; 11.8; $11\frac{16}{20}$; $11\frac{8}{10}$; $11\frac{4}{5}$	3	0
14.	$\frac{11}{100}$	2	0	34.	1	2	0
15.	$\frac{6}{25}$	1	0	35.	-2	3	0
16.	$\frac{5}{11}$	1	0	36.	5	3	0
17.	$\frac{37}{72}$	1	0	37.	0.294	3	0
18.	3500	2	0	38.	2.5	3	0
19.	$\frac{23}{59}$	1	0	39.	$\frac{5}{12}$	3	0
20.	0.25	2	0	40.	$\frac{4}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.61 \\ + 3.29 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 9 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 3 $5 - x$ 	4 Write the fraction in lowest terms $\frac{5}{25} =$
5 $\begin{array}{r} 11 \\ \times 19 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 7 $x - 2$ 	7 $\begin{array}{r} 5.97 \\ - 4.38 \\ \hline \end{array}$	8 $\begin{array}{r} 16 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 5 $4 + x$ 	10 Write the fraction in lowest terms $\frac{7}{21} =$ 	11 Evaluate the expression when x is equal to 9 $8 + x$ 	12 Write the fraction in lowest terms $\frac{10}{28} =$
13 $\frac{18}{67} + \frac{15}{67} =$ 	14 Convert to fraction $0.31 =$ 	15 $\frac{13}{23} - \frac{10}{23} =$ 	16 Write the fraction in lowest terms $\frac{14}{24} =$
17 $\frac{18}{45} + \frac{23}{45} =$ 	18 $\begin{array}{r} 151 \\ \times 61 \\ \hline \end{array}$	19 $\frac{17}{25} - \frac{15}{25} =$ 	20 Convert to decimal $\frac{5}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 144 \\ \times 21 \\ \hline \end{array}$	22 $\frac{6}{22} + \frac{7}{44} =$ _____	23 $0.42 - 0.3 =$ _____	24 $12 \overline{)216}$
25 $0.48 + 0.2 =$ _____	26 $-3 + -3 =$ _____	27 $4.73 + 3.8 =$ _____	28 Convert to decimal $\frac{2}{8} =$ _____
29 $-5 + 3 =$ _____	30 $40\% \text{ of } 30 =$ _____	31 Convert to fraction $0.29 =$ _____	32 $4.35 - 2.4 =$ _____
33 $35 \overline{)336}$	34 $3 + -4 =$ _____	35 $-5 - -3 =$ _____	36 $8 - -7 =$ _____
37 $\begin{array}{r} 0.20 \\ \times 3.2 \\ \hline \end{array}$	38 $2.0 \overline{)4.2}$	39 $\frac{3}{5} \div \frac{2}{3} =$ _____	40 $\frac{3}{13} \times \frac{2}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 13 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.9	1	0	21.	3024	2	0
2.	171	1	0	22.	$\frac{19}{44}$	3	0
3.	2	1	0	23.	0.12	2	0
4.	$\frac{1}{5}$	1	0	24.	18	2	0
5.	209	1	0	25.	0.68	2	0
6.	5	1	0	26.	-6	2	0
7.	1.59	1	0	27.	8.53	2	0
8.	96	1	0	28.	0.25	2	0
9.	9	1	0	29.	-2	2	0
10.	$\frac{1}{3}$	2	0	30.	12	3	0
11.	17	1	0	31.	$\frac{29}{100}$	1	0
12.	$\frac{5}{14}$	1	0	32.	1.95	3	0
13.	$\frac{33}{67}$	2	0	33.	9 r21; 9.6; $9\frac{21}{35}$; $9\frac{3}{5}$	3	0
14.	$\frac{31}{100}$	2	0	34.	-1	2	0
15.	$\frac{3}{23}$	1	0	35.	-2	3	0
16.	$\frac{7}{12}$	1	0	36.	15	3	0
17.	$\frac{41}{45}$	1	0	37.	0.64	3	0
18.	9211	2	0	38.	2.1	3	0
19.	$\frac{2}{25}$	1	0	39.	$\frac{9}{10}$	3	0
20.	0.5	2	0	40.	$\frac{6}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.23 \\ + 1.79 \\ \hline \end{array}$	2 $\begin{array}{r} 14 \\ \times 3 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 4 $x - 2$ 	4 Write the fraction in lowest terms $\frac{2}{12} =$
5 $\begin{array}{r} 13 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 5 $9 - x$ 	7 $\begin{array}{r} 3.26 \\ - 2.17 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 5 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 2 $x + 7$ 	10 Write the fraction in lowest terms $\frac{7}{28} =$ 	11 Evaluate the expression when x is equal to 3 $6 + x$ 	12 Write the fraction in lowest terms $\frac{4}{10} =$
13 $\frac{19}{45} + \frac{22}{45} =$ 	14 Convert to fraction $0.11 =$ 	15 $\frac{18}{25} - \frac{15}{25} =$ 	16 Write the fraction in lowest terms $\frac{6}{14} =$
17 $\frac{5}{21} + \frac{6}{21} =$ 	18 $\begin{array}{r} 572 \\ \times 30 \\ \hline \end{array}$	19 $\frac{9}{23} - \frac{5}{23} =$ 	20 Convert to decimal $\frac{6}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 123 \\ \times 22 \\ \hline \end{array}$	22 $\frac{12}{24} + \frac{7}{48} =$ _____	23 $0.73 - 0.2 =$ _____	24 $15 \overline{)465}$
25 $0.23 + 0.6 =$ _____	26 $^{-}9 + ^{-}1 =$ _____	27 $5.28 + 2.8 =$ _____	28 Convert to decimal $\frac{1}{4} =$ _____
29 $^{-}1 + 6 =$ _____	30 $25\% \text{ of } 80 =$ _____	31 Convert to fraction $0.27 =$ _____	32 $4.23 - 1.4 =$ _____
33 $20 \overline{)381}$	34 $7 + ^{-}3 =$ _____	35 $^{-}2 - ^{-}9 =$ _____	36 $7 - ^{-}5 =$ _____
37 $\begin{array}{r} 0.43 \\ \times 1.2 \\ \hline \end{array}$	38 $5.3 \overline{)2.12}$	39 $\frac{1}{3} \div \frac{4}{5} =$ _____	40 $\frac{6}{10} \times \frac{3}{10} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 14 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7.02	1	0	21.	2706	2	0
2.	42	1	0	22.	$\frac{31}{48}$	3	0
3.	2	1	0	23.	0.53	2	0
4.	$\frac{1}{6}$	1	0	24.	31	2	0
5.	130	1	0	25.	0.83	2	0
6.	4	1	0	26.	-10	2	0
7.	1.09	1	0	27.	8.08	2	0
8.	75	1	0	28.	0.25	2	0
9.	9	1	0	29.	5	2	0
10.	$\frac{1}{4}$	2	0	30.	20	3	0
11.	9	1	0	31.	$\frac{27}{100}$	1	0
12.	$\frac{2}{5}$	1	0	32.	2.83	3	0
13.	$\frac{41}{45}$	2	0	33.	19 r1; 19.05; $19\frac{1}{20}$	3	0
14.	$\frac{11}{100}$	2	0	34.	4	2	0
15.	$\frac{3}{25}$	1	0	35.	7	3	0
16.	$\frac{3}{7}$	1	0	36.	12	3	0
17.	$\frac{11}{21}$	1	0	37.	0.516	3	0
18.	17,160	2	0	38.	0.4	3	0
19.	$\frac{4}{23}$	1	0	39.	$\frac{5}{12}$	3	0
20.	0.6	2	0	40.	$\frac{18}{100}$ or $\frac{9}{50}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 3.47 \\ + 5.36 \\ \hline \end{array}$	2 $\begin{array}{r} 14 \\ \times 9 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 4 $5 - x$ 	4 Write the fraction in lowest terms $\frac{11}{33} =$
5 $\begin{array}{r} 10 \\ \times 12 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 7 $9 - x$ 	7 $\begin{array}{r} 6.41 \\ - 3.28 \\ \hline \end{array}$	8 $\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 3 $x + 1$ 	10 Write the fraction in lowest terms $\frac{7}{28} =$ 	11 Evaluate the expression when x is equal to 5 $8 + x$ 	12 Write the fraction in lowest terms $\frac{10}{44} =$
13 $\frac{18}{35} + \frac{13}{35} =$ 	14 Convert to fraction $0.37 =$ 	15 $\frac{16}{39} - \frac{12}{39} =$ 	16 Write the fraction in lowest terms $\frac{12}{51} =$
17 $\frac{13}{43} + \frac{12}{43} =$ 	18 $\begin{array}{r} 114 \\ \times 51 \\ \hline \end{array}$	19 $\frac{18}{23} - \frac{13}{23} =$ 	20 Convert to decimal $\frac{4}{8} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 582 \\ \times 11 \\ \hline \end{array}$	22 $\frac{13}{22} + \frac{3}{44} =$ _____	23 $0.55 - 0.3 =$ _____	24 $35 \overline{)245}$
25 $0.74 + 0.1 =$ _____	26 $-2 + -3 =$ _____	27 $3.91 + 2.1 =$ _____	28 Convert to decimal $\frac{7}{10} =$ _____
29 $-9 + 5 =$ _____	30 $40\% \text{ of } 20 =$ _____	31 Convert to fraction $0.13 =$ _____	32 $3.45 - 2.5 =$ _____
33 $40 \overline{)456}$	34 $9 + -3 =$ _____	35 $-10 - -1 =$ _____	36 $8 - -3 =$ _____
37 $\begin{array}{r} 0.31 \\ \times 1.3 \\ \hline \end{array}$	38 $1.4 \overline{)5.32}$	39 $\frac{1}{5} \div \frac{2}{4} =$ _____	40 $\frac{7}{15} \times \frac{4}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 15 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.83	1	0	21.	6402	2	0
2.	126	1	0	22.	$\frac{29}{44}$	3	0
3.	1	1	0	23.	0.25	2	0
4.	$\frac{1}{3}$	1	0	24.	7	2	0
5.	120	1	0	25.	0.84	2	0
6.	2	1	0	26.	-5	2	0
7.	3.13	1	0	27.	6.01	2	0
8.	84	1	0	28.	0.7	2	0
9.	4	1	0	29.	-4	2	0
10.	$\frac{1}{4}$	2	0	30.	8	3	0
11.	13	1	0	31.	$\frac{13}{100}$	1	0
12.	$\frac{5}{22}$	1	0	32.	0.95	3	0
13.	$\frac{31}{35}$	2	0	33.	11 r16; 11.4; $11\frac{16}{40}$; $11\frac{8}{20}$; $11\frac{4}{10}$; $11\frac{2}{5}$	3	0
14.	$\frac{37}{100}$	2	0	34.	6	2	0
15.	$\frac{4}{39}$	1	0	35.	-9	3	0
16.	$\frac{4}{17}$	1	0	36.	11	3	0
17.	$\frac{25}{43}$	1	0	37.	0.403	3	0
18.	5814	2	0	38.	3.8	3	0
19.	$\frac{5}{23}$	1	0	39.	$\frac{4}{10}$ or $\frac{2}{5}$	3	0
20.	0.5	2	0	40.	$\frac{28}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 2.35 \\ + 5.49 \\ \hline \end{array}$	2 $\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 4 $x - 2$ _____	4 Write the fraction in lowest terms $\frac{2}{12} =$ _____
5 $\begin{array}{r} 19 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 7 $x - 7$ _____	7 $\begin{array}{r} 9.17 \\ - 3.08 \\ \hline \end{array}$	8 $\begin{array}{r} 17 \\ \times 2 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $1 + x$ _____	10 Write the fraction in lowest terms $\frac{4}{8} =$ _____	11 Evaluate the expression when x is equal to 9 $6 + x$ _____	12 Write the fraction in lowest terms $\frac{10}{46} =$ _____
13 $\frac{17}{47} + \frac{16}{47} =$ _____	14 Convert to fraction $0.89 =$ _____	15 $\frac{16}{23} - \frac{11}{23} =$ _____	16 Write the fraction in lowest terms $\frac{14}{18} =$ _____
17 $\frac{18}{71} + \frac{14}{71} =$ _____	18 $\begin{array}{r} 141 \\ \times 51 \\ \hline \end{array}$	19 $\frac{19}{25} - \frac{11}{25} =$ _____	20 Convert to decimal $\frac{4}{5} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 122 \\ \times 42 \\ \hline \end{array}$	22 $\frac{8}{22} + \frac{13}{44} =$ _____	23 $0.44 - 0.3 =$ _____	24 $12 \overline{)228}$
25 $0.31 + 0.3 =$ _____	26 $-9 + -9 =$ _____	27 $4.42 + 2.8 =$ _____	28 Convert to decimal $\frac{1}{10} =$ _____
29 $-1 + 9 =$ _____	30 $20\% \text{ of } 90 =$ _____	31 Convert to fraction $0.43 =$ _____	32 $3.13 - 2.3 =$ _____
33 $55 \overline{)242}$	34 $2 + -5 =$ _____	35 $-6 - -5 =$ _____	36 $8 - -4 =$ _____
37 $\begin{array}{r} 0.22 \\ \times 2.3 \\ \hline \end{array}$	38 $1.5 \overline{)5.4}$	39 $\frac{2}{3} \div \frac{4}{5} =$ _____	40 $\frac{7}{20} \times \frac{3}{20} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 16 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7.84	1	0	21.	5124	2	0
2.	64	1	0	22.	$\frac{29}{44}$	3	0
3.	2	1	0	23.	0.14	2	0
4.	$\frac{1}{6}$	1	0	24.	19	2	0
5.	209	1	0	25.	0.61	2	0
6.	0	1	0	26.	-18	2	0
7.	6.09	1	0	27.	7.22	2	0
8.	34	1	0	28.	0.1	2	0
9.	7	1	0	29.	8	2	0
10.	$\frac{1}{2}$	2	0	30.	18	3	0
11.	15	1	0	31.	$\frac{43}{100}$	1	0
12.	$\frac{5}{23}$	1	0	32.	0.83	3	0
13.	$\frac{33}{47}$	2	0	33.	4 r22; 4.4; $4\frac{22}{55}$; $4\frac{2}{5}$	3	0
14.	$\frac{89}{100}$	2	0	34.	-3	2	0
15.	$\frac{5}{23}$	1	0	35.	-1	3	0
16.	$\frac{7}{9}$	1	0	36.	12	3	0
17.	$\frac{32}{71}$	1	0	37.	0.506	3	0
18.	7191	2	0	38.	3.6	3	0
19.	$\frac{8}{25}$	1	0	39.	$\frac{10}{12}$ or $\frac{5}{6}$	3	0
20.	0.8	2	0	40.	$\frac{21}{400}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 2.88 \\ + 7.09 \\ \hline \end{array}$	2 $\begin{array}{r} 17 \\ \times 5 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 1 $8 - x$ 	4 Write the fraction in lowest terms $\frac{4}{16} =$
5 $\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 8 $x - 4$ 	7 $\begin{array}{r} 5.74 \\ - 4.55 \\ \hline \end{array}$	8 $\begin{array}{r} 19 \\ \times 2 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 5 $6 + x$ 	10 Write the fraction in lowest terms $\frac{3}{24} =$ 	11 Evaluate the expression when x is equal to 7 $3 + x$ 	12 Write the fraction in lowest terms $\frac{5}{10} =$
13 $\frac{11}{35} + \frac{11}{35} =$ 	14 Convert to fraction $0.87 =$ 	15 $\frac{19}{22} - \frac{10}{22} =$ 	16 Write the fraction in lowest terms $\frac{8}{54} =$
17 $\frac{18}{71} + \frac{15}{71} =$ 	18 $\begin{array}{r} 462 \\ \times 41 \\ \hline \end{array}$	19 $\frac{16}{23} - \frac{13}{23} =$ 	20 Convert to decimal $\frac{5}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 584 \\ \times 11 \\ \hline \end{array}$	22 $\frac{25}{32} + \frac{13}{64} =$ _____	23 $0.67 - 0.4 =$ _____	24 $12 \overline{)456}$
25 $0.62 + 0.3 =$ _____	26 $-8 + -8 =$ _____	27 $3.62 + 1.8 =$ _____	28 Convert to decimal $\frac{3}{5} =$ _____
29 $-4 + 7 =$ _____	30 $75\% \text{ of } 40 =$ _____	31 Convert to fraction $0.19 =$ _____	32 $3.14 - 2.4 =$ _____
33 $22 \overline{)341}$	34 $4 + -6 =$ _____	35 $-6 - -5 =$ _____	36 $4 - -2 =$ _____
37 $\begin{array}{r} 0.32 \\ \times 1.3 \\ \hline \end{array}$	38 $0.5 \overline{)1.15}$	39 $\frac{1}{2} \div \frac{3}{4} =$ _____	40 $\frac{3}{13} \times \frac{7}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 17 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.97	1	0	21.	6424	2	0
2.	85	1	0	22.	$\frac{63}{64}$	3	0
3.	7	1	0	23.	0.27	2	0
4.	$\frac{1}{4}$	1	0	24.	38	2	0
5.	144	1	0	25.	0.92	2	0
6.	4	1	0	26.	-16	2	0
7.	1.19	1	0	27.	5.42	2	0
8.	38	1	0	28.	0.6	2	0
9.	11	1	0	29.	3	2	0
10.	$\frac{1}{8}$	2	0	30.	30	3	0
11.	10	1	0	31.	$\frac{19}{100}$	1	0
12.	$\frac{1}{2}$	1	0	32.	0.74	3	0
13.	$\frac{22}{35}$	2	0	33.	15 r11; 15.5; $15\frac{11}{22}$; $15\frac{1}{2}$	3	0
14.	$\frac{87}{100}$	2	0	34.	-2	2	0
15.	$\frac{9}{22}$	1	0	35.	-1	3	0
16.	$\frac{4}{27}$	1	0	36.	6	3	0
17.	$\frac{33}{71}$	1	0	37.	0.416	3	0
18.	18,942	2	0	38.	2.3	3	0
19.	$\frac{3}{23}$	1	0	39.	$\frac{4}{6}$ or $\frac{2}{3}$	3	0
20.	0.5	2	0	40.	$\frac{21}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 7.42 \\ + 1.18 \\ \hline \end{array}$	2 $\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 5 $5 - x$ 	4 Write the fraction in lowest terms $\frac{2}{10} =$
5 $\begin{array}{r} 16 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 7 $x - 3$ 	7 $\begin{array}{r} 6.77 \\ - 3.49 \\ \hline \end{array}$	8 $\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $5 + x$ 	10 Write the fraction in lowest terms $\frac{2}{6} =$ 	11 Evaluate the expression when x is equal to 1 $8 + x$ 	12 Write the fraction in lowest terms $\frac{14}{48} =$
13 $\frac{18}{71} + \frac{16}{71} =$ 	14 Convert to fraction $0.59 =$ 	15 $\frac{15}{23} - \frac{13}{23} =$ 	16 Write the fraction in lowest terms $\frac{14}{30} =$
17 $\frac{13}{29} + \frac{11}{29} =$ 	18 $\begin{array}{r} 161 \\ \times 15 \\ \hline \end{array}$	19 $\frac{18}{21} - \frac{13}{21} =$ 	20 Convert to decimal $\frac{2}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 232 \\ \times 21 \\ \hline \end{array}$	22 $\frac{11}{28} + \frac{7}{56} =$ _____	23 $0.87 - 0.7 =$ _____	24 $14 \overline{)224}$
25 $0.25 + 0.7 =$ _____	26 $^{-}2 + ^{-}7 =$ _____	27 $5.36 + 2.7 =$ _____	28 Convert to decimal $\frac{3}{4} =$ _____
29 $^{-}1 + 2 =$ _____	30 $60\% \text{ of } 40 =$ _____	31 Convert to fraction $0.27 =$ _____	32 $3.11 - 2.5 =$ _____
33 $25 \overline{)245}$	34 $5 + ^{-}3 =$ _____	35 $^{-}6 - ^{-}2 =$ _____	36 $5 - ^{-}5 =$ _____
37 $\begin{array}{r} 0.31 \\ \times 2.2 \\ \hline \end{array}$	38 $1.2 \overline{)4.32}$	39 $\frac{2}{4} \div \frac{4}{5} =$ _____	40 $\frac{2}{12} \times \frac{5}{12} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 18 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.6	1	0	21.	4872	2	0
2.	54	1	0	22.	$\frac{29}{56}$	3	0
3.	0	1	0	23.	0.17	2	0
4.	$\frac{1}{5}$	1	0	24.	16	2	0
5.	160	1	0	25.	0.95	2	0
6.	4	1	0	26.	-9	2	0
7.	3.28	1	0	27.	8.06	2	0
8.	60	1	0	28.	0.75	2	0
9.	11	1	0	29.	1	2	0
10.	$\frac{1}{3}$	2	0	30.	24	3	0
11.	9	1	0	31.	$\frac{27}{100}$	1	0
12.	$\frac{7}{24}$	1	0	32.	0.61	3	0
13.	$\frac{34}{71}$	2	0	33.	9 r20; 9.8; $9\frac{20}{25}$; $9\frac{4}{5}$	3	0
14.	$\frac{59}{100}$	2	0	34.	2	2	0
15.	$\frac{2}{23}$	1	0	35.	-4	3	0
16.	$\frac{7}{15}$	1	0	36.	10	3	0
17.	$\frac{24}{29}$	1	0	37.	0.682	3	0
18.	2415	2	0	38.	3.6	3	0
19.	$\frac{5}{21}$	1	0	39.	$\frac{10}{16}$ or $\frac{5}{8}$	3	0
20.	0.2	2	0	40.	$\frac{10}{144}$ or $\frac{5}{72}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.38 \\ + 4.38 \\ \hline \end{array}$	2 $\begin{array}{r} 18 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 1 $3 - x$ 	4 Write the fraction in lowest terms $\frac{11}{33} =$
5 $\begin{array}{r} 16 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 4 $7 - x$ 	7 $\begin{array}{r} 6.64 \\ - 2.18 \\ \hline \end{array}$	8 $\begin{array}{r} 17 \\ \times 9 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $9 + x$ 	10 Write the fraction in lowest terms $\frac{3}{27} =$ 	11 Evaluate the expression when x is equal to 2 $8 + x$ 	12 Write the fraction in lowest terms $\frac{12}{14} =$
13 $\frac{19}{71} + \frac{12}{71} =$ 	14 Convert to fraction $0.23 =$ 	15 $\frac{19}{23} - \frac{15}{23} =$ 	16 Write the fraction in lowest terms $\frac{8}{58} =$
17 $\frac{17}{59} + \frac{13}{59} =$ 	18 $\begin{array}{r} 414 \\ \times 25 \\ \hline \end{array}$	19 $\frac{18}{25} - \frac{15}{25} =$ 	20 Convert to decimal $\frac{3}{12} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 332 \\ \times 21 \\ \hline \end{array}$	22 $\frac{17}{28} + \frac{9}{56} =$ _____	23 $0.66 - 0.3 =$ _____	24 $34 \overline{)510}$
25 $0.51 + 0.3 =$ _____	26 $^{-}3 + ^{-}7 =$ _____	27 $4.93 + 1.4 =$ _____	28 Convert to decimal $\frac{4}{10} =$ _____
29 $^{-}10 + 9 =$ _____	30 $50\% \text{ of } 20 =$ _____	31 Convert to fraction $0.57 =$ _____	32 $3.15 - 2.5 =$ _____
33 $45 \overline{)153}$	34 $5 + ^{-}8 =$ _____	35 $^{-}9 - ^{-}2 =$ _____	36 $6 - ^{-}4 =$ _____
37 $\begin{array}{r} 0.32 \\ \times 2.1 \\ \hline \end{array}$	38 $2.3 \overline{)3.45}$	39 $\frac{1}{3} \div \frac{3}{4} =$ _____	40 $\frac{4}{13} \times \frac{6}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 19 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.76	1	0	21.	6972	2	0
2.	144	1	0	22.	$\frac{43}{56}$	3	0
3.	2	1	0	23.	0.36	2	0
4.	$\frac{1}{3}$	1	0	24.	15	2	0
5.	176	1	0	25.	0.81	2	0
6.	3	1	0	26.	-10	2	0
7.	4.46	1	0	27.	6.33	2	0
8.	153	1	0	28.	0.4	2	0
9.	15	1	0	29.	-1	2	0
10.	$\frac{1}{9}$	2	0	30.	10	3	0
11.	10	1	0	31.	$\frac{57}{100}$	1	0
12.	$\frac{6}{7}$	1	0	32.	0.65	3	0
13.	$\frac{31}{71}$	2	0	33.	3 r18; 3.4; $3\frac{18}{45}$; $3\frac{6}{15}$; $3\frac{2}{5}$	3	0
14.	$\frac{23}{100}$	2	0	34.	-3	2	0
15.	$\frac{4}{23}$	1	0	35.	-7	3	0
16.	$\frac{4}{29}$	1	0	36.	10	3	0
17.	$\frac{30}{59}$	1	0	37.	0.672	3	0
18.	10,350	2	0	38.	1.5	3	0
19.	$\frac{3}{25}$	1	0	39.	$\frac{4}{9}$	3	0
20.	0.25	2	0	40.	$\frac{24}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 7.13 \\ + 2.48 \\ \hline \end{array}$	2 $\begin{array}{r} 13 \\ \times 7 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 9 $x - 2$ 	4 Write the fraction in lowest terms $\frac{7}{28} =$
5 $\begin{array}{r} 11 \\ \times 15 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 1 $4 - x$ 	7 $\begin{array}{r} 8.55 \\ - 3.49 \\ \hline \end{array}$	8 $\begin{array}{r} 14 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 7 $3 + x$ 	10 Write the fraction in lowest terms $\frac{5}{20} =$ 	11 Evaluate the expression when x is equal to 4 $7 + x$ 	12 Write the fraction in lowest terms $\frac{12}{22} =$
13 $\frac{19}{71} + \frac{14}{71} =$ 	14 Convert to fraction $0.11 =$ 	15 $\frac{18}{29} - \frac{10}{29} =$ 	16 Write the fraction in lowest terms $\frac{8}{18} =$
17 $\frac{16}{73} + \frac{15}{73} =$ 	18 $\begin{array}{r} 441 \\ \times 32 \\ \hline \end{array}$	19 $\frac{17}{31} - \frac{14}{31} =$ 	20 Convert to decimal $\frac{4}{8} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 110 \\ \times 55 \\ \hline \end{array}$	22 $\frac{18}{26} + \frac{13}{52} =$ _____	23 $0.79 - 0.6 =$ _____	24 $13 \overline{)234}$
25 $0.53 + 0.2 =$ _____	26 $-5 + -5 =$ _____	27 $3.73 + 2.4 =$ _____	28 Convert to decimal $\frac{8}{10} =$ _____
29 $-3 + 8 =$ _____	30 $40\% \text{ of } 60 =$ _____	31 Convert to fraction $0.23 =$ _____	32 $2.21 - 1.5 =$ _____
33 $22 \overline{)253}$	34 $2 + -3 =$ _____	35 $-10 - -8 =$ _____	36 $4 - -1 =$ _____
37 $\begin{array}{r} 0.24 \\ \times 2.2 \\ \hline \end{array}$	38 $1.3 \overline{)4.55}$	39 $\frac{1}{4} \div \frac{1}{2} =$ _____	40 $\frac{4}{15} \times \frac{4}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 20 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.61	1	0	21.	6050	2	0
2.	91	1	0	22.	$\frac{49}{52}$	3	0
3.	7	1	0	23.	0.19	2	0
4.	$\frac{1}{4}$	1	0	24.	18	2	0
5.	165	1	0	25.	0.73	2	0
6.	3	1	0	26.	-10	2	0
7.	5.06	1	0	27.	6.13	2	0
8.	84	1	0	28.	0.8	2	0
9.	10	1	0	29.	5	2	0
10.	$\frac{1}{4}$	2	0	30.	24	3	0
11.	11	1	0	31.	$\frac{23}{100}$	1	0
12.	$\frac{6}{11}$	1	0	32.	0.71	3	0
13.	$\frac{33}{71}$	2	0	33.	11 r11; 11.5; $11\frac{11}{22}$; $11\frac{1}{2}$	3	0
14.	$\frac{11}{100}$	2	0	34.	-1	2	0
15.	$\frac{8}{29}$	1	0	35.	-2	3	0
16.	$\frac{4}{9}$	1	0	36.	5	3	0
17.	$\frac{31}{73}$	1	0	37.	0.528	3	0
18.	14,112	2	0	38.	3.5	3	0
19.	$\frac{3}{31}$	1	0	39.	$\frac{2}{4}$ or $\frac{1}{2}$	3	0
20.	0.5	2	0	40.	$\frac{16}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 7.56 \\ + 2.38 \\ \hline \end{array}$	2 $\begin{array}{r} 17 \\ \times 7 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 5 $9 - x$ 	4 Write the fraction in lowest terms $\frac{2}{12} =$
5 $\begin{array}{r} 13 \\ \times 13 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 6 $7 - x$ 	7 $\begin{array}{r} 9.75 \\ - 1.19 \\ \hline \end{array}$	8 $\begin{array}{r} 14 \\ \times 8 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 4 $2 + x$ 	10 Write the fraction in lowest terms $\frac{5}{45} =$ 	11 Evaluate the expression when x is equal to 1 $6 + x$ 	12 Write the fraction in lowest terms $\frac{10}{26} =$
13 $\frac{19}{67} + \frac{14}{67} =$ 	14 Convert to fraction $0.43 =$ 	15 $\frac{20}{61} - \frac{13}{61} =$ 	16 Write the fraction in lowest terms $\frac{8}{14} =$
17 $\frac{17}{59} + \frac{15}{59} =$ 	18 $\begin{array}{r} 240 \\ \times 15 \\ \hline \end{array}$	19 $\frac{22}{23} - \frac{12}{23} =$ 	20 Convert to decimal $\frac{4}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 441 \\ \times 12 \\ \hline \end{array}$	22 $\frac{16}{28} + \frac{9}{56} =$ _____	23 $0.91 - 0.7 =$ _____	24 $23 \overline{)552}$
25 $0.23 + 0.6 =$ _____	26 $-3 + -6 =$ _____	27 $4.71 + 2.4 =$ _____	28 Convert to decimal $\frac{3}{5} =$ _____
29 $-2 + 8 =$ _____	30 $50\% \text{ of } 60 =$ _____	31 Convert to fraction $0.29 =$ _____	32 $2.23 - 1.4 =$ _____
33 $15 \overline{)351}$	34 $7 + -9 =$ _____	35 $-10 - -6 =$ _____	36 $5 - -4 =$ _____
37 $\begin{array}{r} 0.33 \\ \times 2.3 \\ \hline \end{array}$	38 $2.4 \overline{)4.32}$	39 $\frac{1}{5} \div \frac{2}{3} =$ _____	40 $\frac{2}{13} \times \frac{3}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 21 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.94	1	0	21.	5292	2	0
2.	119	1	0	22.	$\frac{41}{56}$	3	0
3.	4	1	0	23.	0.21	2	0
4.	$\frac{1}{6}$	1	0	24.	24	2	0
5.	169	1	0	25.	0.83	2	0
6.	1	1	0	26.	-9	2	0
7.	8.56	1	0	27.	7.11	2	0
8.	112	1	0	28.	0.6	2	0
9.	6	1	0	29.	6	2	0
10.	$\frac{1}{9}$	2	0	30.	30	3	0
11.	7	1	0	31.	$\frac{29}{100}$	1	0
12.	$\frac{5}{13}$	1	0	32.	0.83	3	0
13.	$\frac{33}{67}$	2	0	33.	23 r6; 23.4; $23\frac{6}{15}$; $23\frac{2}{5}$	3	0
14.	$\frac{43}{100}$	2	0	34.	-2	2	0
15.	$\frac{7}{61}$	1	0	35.	-4	3	0
16.	$\frac{4}{7}$	1	0	36.	9	3	0
17.	$\frac{32}{59}$	1	0	37.	0.759	3	0
18.	3600	2	0	38.	1.8	3	0
19.	$\frac{10}{23}$	1	0	39.	$\frac{3}{10}$	3	0
20.	0.4	2	0	40.	$\frac{6}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 4.24 \\ + 2.67 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 5 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 1 $2 - x$ 	4 Write the fraction in lowest terms $\frac{7}{21} =$
5 $\begin{array}{r} 13 \\ \times 13 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 8 $x - 3$ 	7 $\begin{array}{r} 3.26 \\ - 2.17 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 4 $5 + x$ 	10 Write the fraction in lowest terms $\frac{3}{18} =$ 	11 Evaluate the expression when x is equal to 6 $4 + x$ 	12 Write the fraction in lowest terms $\frac{10}{32} =$
13 $\frac{19}{47} + \frac{14}{47} =$ 	14 Convert to fraction $0.71 =$ 	15 $\frac{15}{29} - \frac{10}{29} =$ 	16 Write the fraction in lowest terms $\frac{6}{34} =$
17 $\frac{18}{73} + \frac{16}{73} =$ 	18 $\begin{array}{r} 309 \\ \times 21 \\ \hline \end{array}$	19 $\frac{13}{23} - \frac{10}{23} =$ 	20 Convert to decimal $\frac{6}{12} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 157 \\ \times 11 \\ \hline \end{array}$	22 $\frac{17}{33} + \frac{7}{66} =$ _____	23 $0.62 - 0.2 =$ _____	24 $31 \overline{)341}$
25 $0.57 + 0.2 =$ _____	26 $^{-}4 + ^{-}6 =$ _____	27 $2.49 + 2.6 =$ _____	28 Convert to decimal $\frac{7}{10} =$ _____
29 $^{-}10 + 3 =$ _____	30 $75\% \text{ of } 80 =$ _____	31 Convert to fraction $0.43 =$ _____	32 $2.44 - 1.5 =$ _____
33 $42 \overline{)315}$	34 $9 + ^{-}7 =$ _____	35 $^{-}3 - ^{-}1 =$ _____	36 $8 - ^{-}2 =$ _____
37 $\begin{array}{r} 0.22 \\ \times 1.4 \\ \hline \end{array}$	38 $1.3 \overline{)4.42}$	39 $\frac{1}{4} \div \frac{1}{2} =$ _____	40 $\frac{5}{11} \times \frac{6}{11} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 22 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	6.91	1	0	21.	1727	2	0
2.	95	1	0	22.	$\frac{41}{66}$	3	0
3.	1	1	0	23.	0.42	2	0
4.	$\frac{1}{3}$	1	0	24.	11	2	0
5.	169	1	0	25.	0.77	2	0
6.	5	1	0	26.	-10	2	0
7.	1.09	1	0	27.	5.09	2	0
8.	105	1	0	28.	0.7	2	0
9.	9	1	0	29.	-7	2	0
10.	$\frac{1}{6}$	2	0	30.	60	3	0
11.	10	1	0	31.	$\frac{43}{100}$	1	0
12.	$\frac{5}{16}$	1	0	32.	0.94	3	0
13.	$\frac{33}{47}$	2	0	33.	7 r21; 7.5; $7\frac{21}{42}$; $7\frac{7}{14}$; $7\frac{1}{2}$	3	0
14.	$\frac{71}{100}$	2	0	34.	2	2	0
15.	$\frac{5}{29}$	1	0	35.	-2	3	0
16.	$\frac{3}{17}$	1	0	36.	10	3	0
17.	$\frac{34}{73}$	1	0	37.	0.308	3	0
18.	6489	2	0	38.	3.4	3	0
19.	$\frac{3}{23}$	1	0	39.	$\frac{2}{4}$ or $\frac{1}{2}$	3	0
20.	0.5	2	0	40.	$\frac{30}{121}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 8.49 \\ + 1.37 \\ \hline \end{array}$	2 $\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 2 $3 - x$ 	4 Write the fraction in lowest terms $\frac{3}{15} =$
5 $\begin{array}{r} 14 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 3 $7 - x$ 	7 $\begin{array}{r} 2.93 \\ - 1.36 \\ \hline \end{array}$	8 $\begin{array}{r} 16 \\ \times 3 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $5 + x$ 	10 Write the fraction in lowest terms $\frac{11}{55} =$ 	11 Evaluate the expression when x is equal to 9 $8 + x$ 	12 Write the fraction in lowest terms $\frac{10}{54} =$
13 $\frac{19}{59} + \frac{18}{59} =$ 	14 Convert to fraction $0.59 =$ 	15 $\frac{21}{25} - \frac{17}{25} =$ 	16 Write the fraction in lowest terms $\frac{12}{45} =$
17 $\frac{13}{53} + \frac{18}{53} =$ 	18 $\begin{array}{r} 351 \\ \times 60 \\ \hline \end{array}$	19 $\frac{31}{67} - \frac{30}{67} =$ 	20 Convert to decimal $\frac{6}{12} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 352 \\ \times 11 \\ \hline \end{array}$	22 $\frac{12}{26} + \frac{5}{52} =$ _____	23 $0.98 - 0.2 =$ _____	24 $41 \overline{)369}$
25 $0.58 + 0.4 =$ _____	26 $-1 + -6 =$ _____	27 $4.14 + 1.9 =$ _____	28 Convert to decimal $\frac{9}{10} =$ _____
29 $-9 + 2 =$ _____	30 $30\% \text{ of } 40 =$ _____	31 Convert to fraction $0.31 =$ _____	32 $5.15 - 2.4 =$ _____
33 $35 \overline{)413}$	34 $9 + -4 =$ _____	35 $-10 - -5 =$ _____	36 $9 - -2 =$ _____
37 $\begin{array}{r} 0.22 \\ \times 2.1 \\ \hline \end{array}$	38 $2.0 \overline{)3.4}$	39 $\frac{1}{2} \div \frac{2}{3} =$ _____	40 $\frac{2}{15} \times \frac{8}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 23 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.86	1	0	21.	3872	2	0
2.	65	1	0	22.	$\frac{29}{52}$	3	0
3.	1	1	0	23.	0.78	2	0
4.	$\frac{1}{5}$	1	0	24.	9	2	0
5.	140	1	0	25.	0.98	2	0
6.	4	1	0	26.	-7	2	0
7.	1.57	1	0	27.	6.04	2	0
8.	48	1	0	28.	0.9	2	0
9.	6	1	0	29.	-7	2	0
10.	$\frac{1}{5}$	2	0	30.	12	3	0
11.	17	1	0	31.	$\frac{31}{100}$	1	0
12.	$\frac{5}{27}$	1	0	32.	2.75	3	0
13.	$\frac{37}{59}$	2	0	33.	11 r28; 11.8; $11\frac{28}{35}$; $11\frac{4}{5}$	3	0
14.	$\frac{59}{100}$	2	0	34.	5	2	0
15.	$\frac{4}{25}$	1	0	35.	-5	3	0
16.	$\frac{4}{15}$	1	0	36.	11	3	0
17.	$\frac{31}{53}$	1	0	37.	0.462	3	0
18.	21,060	2	0	38.	1.7	3	0
19.	$\frac{1}{67}$	1	0	39.	$\frac{3}{4}$	3	0
20.	0.5	2	0	40.	$\frac{16}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.15 \\ + 4.77 \\ \hline \end{array}$	2 $\begin{array}{r} 15 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 3 $x - 1$ _____	4 Write the fraction in lowest terms $\frac{2}{4} =$ _____
5 $\begin{array}{r} 12 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 5 $6 - x$ _____	7 $\begin{array}{r} 7.52 \\ - 1.28 \\ \hline \end{array}$	8 $\begin{array}{r} 14 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 8 $5 + x$ _____	10 Write the fraction in lowest terms $\frac{3}{15} =$ _____	11 Evaluate the expression when x is equal to 9 $2 + x$ _____	12 Write the fraction in lowest terms $\frac{14}{60} =$ _____
13 $\frac{17}{59} + \frac{14}{59} =$ _____	14 Convert to fraction $0.37 =$ _____	15 $\frac{12}{27} - \frac{10}{27} =$ _____	16 Write the fraction in lowest terms $\frac{4}{58} =$ _____
17 $\frac{19}{67} + \frac{16}{67} =$ _____	18 $\begin{array}{r} 139 \\ \times 21 \\ \hline \end{array}$	19 $\frac{35}{57} - \frac{26}{57} =$ _____	20 Convert to decimal $\frac{1}{10} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 221 \\ \times 30 \\ \hline \end{array}$	22 $\frac{14}{22} + \frac{15}{44} =$ _____	23 $0.72 - 0.4 =$ _____	24 $23 \overline{)253}$
25 $0.66 + 0.2 =$ _____	26 $-1 + -4 =$ _____	27 $5.52 + 1.7 =$ _____	28 Convert to decimal $\frac{2}{8} =$ _____
29 $-9 + 7 =$ _____	30 $40\% \text{ of } 80 =$ _____	31 Convert to fraction $0.59 =$ _____	32 $3.24 - 2.4 =$ _____
33 $12 \overline{)246}$	34 $3 + -2 =$ _____	35 $-9 - -1 =$ _____	36 $8 - -3 =$ _____
37 $\begin{array}{r} 0.33 \\ \times 2.1 \\ \hline \end{array}$	38 $2.1 \overline{)2.52}$	39 $\frac{2}{4} \div \frac{3}{5} =$ _____	40 $\frac{7}{15} \times \frac{7}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 24 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.92	1	0	21.	6630	2	0
2.	120	1	0	22.	$\frac{43}{44}$	3	0
3.	2	1	0	23.	0.32	2	0
4.	$\frac{1}{2}$	1	0	24.	11	2	0
5.	132	1	0	25.	0.86	2	0
6.	1	1	0	26.	-5	2	0
7.	6.24	1	0	27.	7.22	2	0
8.	98	1	0	28.	0.25	2	0
9.	13	1	0	29.	-2	2	0
10.	$\frac{1}{5}$	2	0	30.	32	3	0
11.	11	1	0	31.	$\frac{59}{100}$	1	0
12.	$\frac{7}{30}$	1	0	32.	0.84	3	0
13.	$\frac{31}{59}$	2	0	33.	20 r6; 20.5; $20\frac{6}{12}$; $20\frac{3}{6}$; $20\frac{1}{2}$	3	0
14.	$\frac{37}{100}$	2	0	34.	1	2	0
15.	$\frac{2}{27}$	1	0	35.	-8	3	0
16.	$\frac{2}{29}$	1	0	36.	11	3	0
17.	$\frac{35}{67}$	1	0	37.	0.693	3	0
18.	2919	2	0	38.	1.2	3	0
19.	$\frac{9}{57}$	1	0	39.	$\frac{10}{12}$ or $\frac{5}{6}$	3	0
20.	0.1	2	0	40.	$\frac{49}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.65 \\ + 4.28 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 6 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 1 $9 - x$ _____	4 Write the fraction in lowest terms $\frac{7}{14} =$ _____
5 $\begin{array}{r} 13 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 5 $x - 2$ _____	7 $\begin{array}{r} 7.25 \\ - 5.16 \\ \hline \end{array}$	8 $\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 7 $3 + x$ _____	10 Write the fraction in lowest terms $\frac{11}{44} =$ _____	11 Evaluate the expression when x is equal to 4 $8 + x$ _____	12 Write the fraction in lowest terms $\frac{12}{15} =$ _____
13 $\frac{19}{45} + \frac{22}{45} =$ _____	14 Convert to fraction $0.17 =$ _____	15 $\frac{16}{23} - \frac{10}{23} =$ _____	16 Write the fraction in lowest terms $\frac{5}{20} =$ _____
17 $\frac{27}{47} + \frac{15}{47} =$ _____	18 $\begin{array}{r} 218 \\ \times 22 \\ \hline \end{array}$	19 $\frac{33}{59} - \frac{10}{59} =$ _____	20 Convert to decimal $\frac{9}{12} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 155 \\ \times 11 \\ \hline \end{array}$	22 $\frac{15}{24} + \frac{7}{48} =$ _____	23 $0.32 - 0.2 =$ _____	24 $21 \overline{)357}$
25 $0.65 + 0.3 =$ _____	26 $-4 + -5 =$ _____	27 $4.77 + 1.7 =$ _____	28 Convert to decimal $\frac{1}{4} =$ _____
29 $-9 + 3 =$ _____	30 $30\% \text{ of } 70 =$ _____	31 Convert to fraction $0.13 =$ _____	32 $5.34 - 1.4 =$ _____
33 $22 \overline{)121}$	34 $1 + -4 =$ _____	35 $-9 - -2 =$ _____	36 $7 - -6 =$ _____
37 $\begin{array}{r} 0.32 \\ \times 3.1 \\ \hline \end{array}$	38 $2.2 \overline{)2.42}$	39 $\frac{3}{5} \div \frac{3}{4} =$ _____	40 $\frac{9}{11} \times \frac{5}{11} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 25 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.93	1	0	21.	1705	2	0
2.	114	1	0	22.	$\frac{37}{48}$	3	0
3.	8	1	0	23.	0.12	2	0
4.	$\frac{1}{2}$	1	0	24.	17	2	0
5.	130	1	0	25.	0.95	2	0
6.	3	1	0	26.	-9	2	0
7.	2.09	1	0	27.	6.47	2	0
8.	52	1	0	28.	0.25	2	0
9.	10	1	0	29.	-6	2	0
10.	$\frac{1}{4}$	2	0	30.	21	3	0
11.	12	1	0	31.	$\frac{13}{100}$	1	0
12.	$\frac{4}{5}$	1	0	32.	3.94	3	0
13.	$\frac{41}{45}$	2	0	33.	5 r11; 5.5; $5\frac{11}{22}$; $5\frac{1}{2}$	3	0
14.	$\frac{17}{100}$	2	0	34.	-3	2	0
15.	$\frac{6}{23}$	1	0	35.	-7	3	0
16.	$\frac{1}{4}$	1	0	36.	13	3	0
17.	$\frac{42}{47}$	1	0	37.	0.992	3	0
18.	4796	2	0	38.	1.1	3	0
19.	$\frac{23}{59}$	1	0	39.	$\frac{12}{15}$ or $\frac{4}{5}$	3	0
20.	0.75	2	0	40.	$\frac{45}{121}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 3.48 \\ + 1.28 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 6 $x - 3$ _____	4 Write the fraction in lowest terms $\frac{3}{9} =$ _____
5 $\begin{array}{r} 13 \\ \times 12 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 3 $4 - x$ _____	7 $\begin{array}{r} 8.24 \\ - 2.06 \\ \hline \end{array}$	8 $\begin{array}{r} 16 \\ \times 2 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 8 $6 + x$ _____	10 Write the fraction in lowest terms $\frac{7}{28} =$ _____	11 Evaluate the expression when x is equal to 2 $7 + x$ _____	12 Write the fraction in lowest terms $\frac{6}{58} =$ _____
13 $\frac{19}{67} + \frac{15}{67} =$ _____	14 Convert to fraction $0.11 =$ _____	15 $\frac{15}{23} - \frac{13}{23} =$ _____	16 Write the fraction in lowest terms $\frac{14}{30} =$ _____
17 $\frac{18}{73} + \frac{11}{73} =$ _____	18 $\begin{array}{r} 145 \\ \times 20 \\ \hline \end{array}$	19 $\frac{18}{23} - \frac{12}{23} =$ _____	20 Convert to decimal $\frac{1}{4} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 353 \\ \times 11 \\ \hline \end{array}$	22 $\frac{18}{33} + \frac{1}{66} =$ _____	23 $0.65 - 0.4 =$ _____	24 $15 \overline{)225}$
25 $0.28 + 0.2 =$ _____	26 $-1 + -8 =$ _____	27 $4.54 + 4.7 =$ _____	28 Convert to decimal $\frac{6}{8} =$ _____
29 $-7 + 3 =$ _____	30 $50\% \text{ of } 40 =$ _____	31 Convert to fraction $0.67 =$ _____	32 $3.32 - 2.4 =$ _____
33 $25 \overline{)365}$	34 $9 + -5 =$ _____	35 $-4 - -3 =$ _____	36 $6 - -3 =$ _____
37 $\begin{array}{r} 0.31 \\ \times 2.3 \\ \hline \end{array}$	38 $2.5 \overline{)4.25}$	39 $\frac{2}{3} \div \frac{3}{4} =$ _____	40 $\frac{8}{15} \times \frac{7}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 26 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4.76	1	0	21.	3883	2	0
2.	152	1	0	22.	$\frac{37}{66}$	3	0
3.	3	1	0	23.	0.25	2	0
4.	$\frac{1}{3}$	1	0	24.	15	2	0
5.	156	1	0	25.	0.48	2	0
6.	1	1	0	26.	-9	2	0
7.	6.18	1	0	27.	9.24	2	0
8.	32	1	0	28.	0.75	2	0
9.	14	1	0	29.	-4	2	0
10.	$\frac{1}{4}$	2	0	30.	20	3	0
11.	9	1	0	31.	$\frac{67}{100}$	1	0
12.	$\frac{3}{29}$	1	0	32.	0.92	3	0
13.	$\frac{34}{67}$	2	0	33.	14 r15; 14.6; $14\frac{15}{25}$; $14\frac{3}{5}$	3	0
14.	$\frac{11}{100}$	2	0	34.	4	2	0
15.	$\frac{2}{23}$	1	0	35.	-1	3	0
16.	$\frac{7}{15}$	1	0	36.	9	3	0
17.	$\frac{29}{73}$	1	0	37.	0.713	3	0
18.	2900	2	0	38.	1.7	3	0
19.	$\frac{6}{23}$	1	0	39.	$\frac{8}{9}$	3	0
20.	0.25	2	0	40.	$\frac{56}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 3.18 \\ + 5.49 \\ \hline \end{array}$	2 $\begin{array}{r} 13 \\ \times 9 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 1 $9 - x$ 	4 Write the fraction in lowest terms $\frac{7}{21} =$
5 $\begin{array}{r} 10 \\ \times 15 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 2 $6 - x$ 	7 $\begin{array}{r} 9.47 \\ - 6.39 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 4 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 4 $x + 1$ 	10 Write the fraction in lowest terms $\frac{2}{12} =$ 	11 Evaluate the expression when x is equal to 7 $3 + x$ 	12 Write the fraction in lowest terms $\frac{10}{42} =$
13 $\frac{18}{51} + \frac{17}{51} =$ 	14 Convert to fraction $0.11 =$ 	15 $\frac{13}{23} - \frac{11}{23} =$ 	16 Write the fraction in lowest terms $\frac{12}{27} =$
17 $\frac{16}{67} + \frac{15}{67} =$ 	18 $\begin{array}{r} 324 \\ \times 42 \\ \hline \end{array}$	19 $\frac{16}{21} - \frac{15}{21} =$ 	20 Convert to decimal $\frac{2}{8} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 122 \\ \times 32 \\ \hline \end{array}$	22 $\frac{9}{22} + \frac{11}{44} =$ _____	23 $0.27 - 0.1 =$ _____	24 $35 \overline{)490}$
25 $0.64 + 0.2 =$ _____	26 $-6 + -9 =$ _____	27 $2.56 + 5.5 =$ _____	28 Convert to decimal $\frac{1}{2} =$ _____
29 $-10 + 4 =$ _____	30 $40\% \text{ of } 80 =$ _____	31 Convert to fraction $0.19 =$ _____	32 $4.13 - 3.4 =$ _____
33 $12 \overline{)414}$	34 $5 + -7 =$ _____	35 $-6 - -1 =$ _____	36 $3 - -1 =$ _____
37 $\begin{array}{r} 0.13 \\ \times 1.3 \\ \hline \end{array}$	38 $1.3 \overline{)3.12}$	39 $\frac{1}{4} \div \frac{3}{5} =$ _____	40 $\frac{7}{12} \times \frac{3}{12} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 27 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.67	1	0	21.	3904	2	0
2.	117	1	0	22.	$\frac{29}{44}$	3	0
3.	8	1	0	23.	0.17	2	0
4.	$\frac{1}{3}$	1	0	24.	14	2	0
5.	150	1	0	25.	0.84	2	0
6.	4	1	0	26.	-15	2	0
7.	3.08	1	0	27.	8.06	2	0
8.	60	1	0	28.	0.5	2	0
9.	5	1	0	29.	-6	2	0
10.	$\frac{1}{6}$	2	0	30.	32	3	0
11.	10	1	0	31.	$\frac{19}{100}$	1	0
12.	$\frac{5}{21}$	1	0	32.	0.73	3	0
13.	$\frac{35}{51}$	2	0	33.	34 r6; 34.5; $34\frac{6}{12}$; $34\frac{2}{4}$; $34\frac{1}{2}$	3	0
14.	$\frac{11}{100}$	2	0	34.	-2	2	0
15.	$\frac{2}{23}$	1	0	35.	-5	3	0
16.	$\frac{4}{9}$	1	0	36.	4	3	0
17.	$\frac{31}{67}$	1	0	37.	0.169	3	0
18.	13,608	2	0	38.	2.4	3	0
19.	$\frac{1}{21}$	1	0	39.	$\frac{5}{12}$	3	0
20.	0.25	2	0	40.	$\frac{21}{144}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 6.76 \\ + 3.19 \\ \hline \end{array}$	2 $\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 8 $9 - x$ 	4 Write the fraction in lowest terms $\frac{3}{21} =$
5 $\begin{array}{r} 10 \\ \times 17 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 5 $x - 2$ 	7 $\begin{array}{r} 4.25 \\ - 3.16 \\ \hline \end{array}$	8 $\begin{array}{r} 13 \\ \times 9 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $3 + x$ 	10 Write the fraction in lowest terms $\frac{4}{24} =$ 	11 Evaluate the expression when x is equal to 4 $7 + x$ 	12 Write the fraction in lowest terms $\frac{15}{18} =$
13 $\frac{19}{53} + \frac{17}{53} =$ 	14 Convert to fraction $0.89 =$ 	15 $\frac{24}{29} - \frac{11}{29} =$ 	16 Write the fraction in lowest terms $\frac{18}{44} =$
17 $\frac{15}{59} + \frac{25}{59} =$ 	18 $\begin{array}{r} 512 \\ \times 55 \\ \hline \end{array}$	19 $\frac{17}{21} - \frac{13}{21} =$ 	20 Convert to decimal $\frac{2}{10} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 121 \\ \times 42 \\ \hline \end{array}$	22 $\frac{9}{24} + \frac{7}{48} =$ _____	23 $0.25 - 0.1 =$ _____	24 $12 \overline{)276}$
25 $0.44 + 0.2 =$ _____	26 $-1 + -7 =$ _____	27 $3.92 + 2.4 =$ _____	28 Convert to decimal $\frac{4}{8} =$ _____
29 $-9 + 4 =$ _____	30 $30\% \text{ of } 60 =$ _____	31 Convert to fraction $0.73 =$ _____	32 $5.45 - 4.5 =$ _____
33 $40 \overline{)124}$	34 $3 + -5 =$ _____	35 $-10 - -7 =$ _____	36 $2 - -7 =$ _____
37 $\begin{array}{r} 0.13 \\ \times 2.3 \\ \hline \end{array}$	38 $5.3 \overline{)2.12}$	39 $\frac{3}{5} \div \frac{2}{3} =$ _____	40 $\frac{3}{10} \times \frac{7}{10} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 28 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.95	1	0	21.	5082	2	0
2.	96	1	0	22.	$\frac{25}{48}$	3	0
3.	1	1	0	23.	0.15	2	0
4.	$\frac{1}{7}$	1	0	24.	23	2	0
5.	170	1	0	25.	0.64	2	0
6.	3	1	0	26.	-8	2	0
7.	1.09	1	0	27.	6.32	2	0
8.	117	1	0	28.	0.5	2	0
9.	9	1	0	29.	-5	2	0
10.	$\frac{1}{6}$	2	0	30.	18	3	0
11.	11	1	0	31.	$\frac{73}{100}$	1	0
12.	$\frac{5}{6}$	1	0	32.	0.95	3	0
13.	$\frac{36}{53}$	2	0	33.	3 r4; 3.1; $3\frac{4}{40}$; $3\frac{2}{20}$; $3\frac{1}{10}$	3	0
14.	$\frac{89}{100}$	2	0	34.	-2	2	0
15.	$\frac{13}{29}$	1	0	35.	-3	3	0
16.	$\frac{9}{22}$	1	0	36.	9	3	0
17.	$\frac{40}{59}$	1	0	37.	0.299	3	0
18.	28,160	2	0	38.	0.4	3	0
19.	$\frac{4}{21}$	1	0	39.	$\frac{9}{10}$	3	0
20.	0.2	2	0	40.	$\frac{21}{100}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 5.74 \\ + 2.19 \\ \hline \end{array}$	2 $\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 2 $5 - x$ _____	4 Write the fraction in lowest terms $\frac{5}{25} =$ _____
5 $\begin{array}{r} 11 \\ \times 17 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 4 $6 - x$ _____	7 $\begin{array}{r} 2.28 \\ - 1.19 \\ \hline \end{array}$	8 $\begin{array}{r} 19 \\ \times 6 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 1 $7 + x$ _____	10 Write the fraction in lowest terms $\frac{2}{18} =$ _____	11 Evaluate the expression when x is equal to 9 $9 + x$ _____	12 Write the fraction in lowest terms $\frac{8}{46} =$ _____
13 $\frac{17}{45} + \frac{27}{45} =$ _____	14 Convert to fraction $0.23 =$ _____	15 $\frac{17}{21} - \frac{15}{21} =$ _____	16 Write the fraction in lowest terms $\frac{14}{58} =$ _____
17 $\frac{18}{67} + \frac{18}{67} =$ _____	18 $\begin{array}{r} 429 \\ \times 12 \\ \hline \end{array}$	19 $\frac{16}{23} - \frac{11}{23} =$ _____	20 Convert to decimal $\frac{2}{10} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 143 \\ \times 22 \\ \hline \end{array}$	22 $\frac{13}{26} + \frac{3}{52} =$ _____	23 $0.92 - 0.1 =$ _____	24 $10 \overline{)350}$
25 $0.32 + 0.5 =$ _____	26 $-2 + -5 =$ _____	27 $3.59 + 2.8 =$ _____	28 Convert to decimal $\frac{3}{12} =$ _____
29 $-3 + 5 =$ _____	30 $25\% \text{ of } 80 =$ _____	31 Convert to fraction $0.27 =$ _____	32 $4.23 - 2.3 =$ _____
33 $45 \overline{)252}$	34 $6 + -3 =$ _____	35 $-7 - -5 =$ _____	36 $3 - -3 =$ _____
37 $\begin{array}{r} 0.41 \\ \times 2.1 \\ \hline \end{array}$	38 $2.0 \overline{)1.4}$	39 $\frac{1}{4} \div \frac{4}{5} =$ _____	40 $\frac{6}{11} \times \frac{9}{11} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 29 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	7.93	1	0	21.	3146	2	0
2.	128	1	0	22.	$\frac{29}{52}$	3	0
3.	3	1	0	23.	0.82	2	0
4.	$\frac{1}{5}$	1	0	24.	35	2	0
5.	187	1	0	25.	0.82	2	0
6.	2	1	0	26.	-7	2	0
7.	1.09	1	0	27.	6.39	2	0
8.	114	1	0	28.	0.25	2	0
9.	8	1	0	29.	2	2	0
10.	$\frac{1}{9}$	2	0	30.	20	3	0
11.	18	1	0	31.	$\frac{27}{100}$	1	0
12.	$\frac{4}{23}$	1	0	32.	1.93	3	0
13.	$\frac{44}{45}$	2	0	33.	5 r27; 5.6; $5\frac{27}{45}$; $5\frac{9}{15}$; $5\frac{3}{5}$	3	0
14.	$\frac{23}{100}$	2	0	34.	3	2	0
15.	$\frac{2}{21}$	1	0	35.	-2	3	0
16.	$\frac{7}{29}$	1	0	36.	6	3	0
17.	$\frac{36}{67}$	1	0	37.	0.861	3	0
18.	5148	2	0	38.	0.7	3	0
19.	$\frac{5}{23}$	1	0	39.	$\frac{5}{16}$	3	0
20.	0.2	2	0	40.	$\frac{54}{121}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 3.57 \\ + 1.24 \\ \hline \end{array}$	2 $\begin{array}{r} 19 \\ \times 7 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 6 $x - 4$ 	4 Write the fraction in lowest terms $\frac{2}{4} =$
5 $\begin{array}{r} 17 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 4 $8 - x$ 	7 $\begin{array}{r} 8.43 \\ - 1.24 \\ \hline \end{array}$	8 $\begin{array}{r} 15 \\ \times 9 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 9 $2 + x$ 	10 Write the fraction in lowest terms $\frac{5}{15} =$ 	11 Evaluate the expression when x is equal to 3 $x + 3$ 	12 Write the fraction in lowest terms $\frac{8}{38} =$
13 $\frac{16}{45} + \frac{27}{45} =$ 	14 Convert to fraction $0.11 =$ 	15 $\frac{19}{27} - \frac{12}{27} =$ 	16 Write the fraction in lowest terms $\frac{6}{52} =$
17 $\frac{19}{43} + \frac{13}{43} =$ 	18 $\begin{array}{r} 518 \\ \times 12 \\ \hline \end{array}$	19 $\frac{13}{23} - \frac{11}{23} =$ 	20 Convert to decimal $\frac{2}{4} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 121 \\ \times 31 \\ \hline \end{array}$	22 $\frac{22}{32} + \frac{3}{64} =$ _____	23 $0.94 - 0.4 =$ _____	24 $37 \overline{)407}$
25 $0.41 + 0.5 =$ _____	26 $-4 + -8 =$ _____	27 $2.84 + 1.6 =$ _____	28 Convert to decimal $\frac{9}{10} =$ _____
29 $-6 + 2 =$ _____	30 $40\% \text{ of } 50 =$ _____	31 Convert to fraction $0.57 =$ _____	32 $3.23 - 2.3 =$ _____
33 $55 \overline{)352}$	34 $7 + -6 =$ _____	35 $-6 - -3 =$ _____	36 $1 - -4 =$ _____
37 $\begin{array}{r} 0.22 \\ \times 2.2 \\ \hline \end{array}$	38 $0.3 \overline{)1.44}$	39 $\frac{1}{2} \div \frac{2}{3} =$ _____	40 $\frac{3}{13} \times \frac{7}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 30 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4.81	1	0	21.	3751	2	0
2.	133	1	0	22.	$\frac{47}{64}$	3	0
3.	2	1	0	23.	0.54	2	0
4.	$\frac{1}{2}$	1	0	24.	11	2	0
5.	187	1	0	25.	0.91	2	0
6.	4	1	0	26.	-12	2	0
7.	7.19	1	0	27.	4.44	2	0
8.	135	1	0	28.	0.9	2	0
9.	11	1	0	29.	-4	2	0
10.	$\frac{1}{3}$	2	0	30.	20	3	0
11.	6	1	0	31.	$\frac{57}{100}$	1	0
12.	$\frac{4}{19}$	1	0	32.	0.93	3	0
13.	$\frac{43}{45}$	2	0	33.	6 r22; 6.4; $6\frac{22}{55}$; $6\frac{2}{5}$	3	0
14.	$\frac{11}{100}$	2	0	34.	1	2	0
15.	$\frac{7}{27}$	1	0	35.	-3	3	0
16.	$\frac{3}{26}$	1	0	36.	5	3	0
17.	$\frac{32}{43}$	1	0	37.	0.484	3	0
18.	6216	2	0	38.	4.8	3	0
19.	$\frac{2}{23}$	1	0	39.	$\frac{3}{4}$	3	0
20.	0.5	2	0	40.	$\frac{21}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 4.12 \\ + 1.79 \\ \hline \end{array}$	2 $\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 8 $x - 1$ 	4 Write the fraction in lowest terms $\frac{11}{44} =$
5 $\begin{array}{r} 10 \\ \times 11 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 6 $8 - x$ 	7 $\begin{array}{r} 6.53 \\ - 4.29 \\ \hline \end{array}$	8 $\begin{array}{r} 14 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 3 $7 + x$ 	10 Write the fraction in lowest terms $\frac{5}{10} =$ 	11 Evaluate the expression when x is equal to 7 $2 + x$ 	12 Write the fraction in lowest terms $\frac{8}{50} =$
13 $\frac{28}{53} + \frac{15}{53} =$ 	14 Convert to fraction $0.23 =$ 	15 $\frac{19}{29} - \frac{14}{29} =$ 	16 Write the fraction in lowest terms $\frac{14}{48} =$
17 $\frac{18}{47} + \frac{26}{47} =$ 	18 $\begin{array}{r} 430 \\ \times 62 \\ \hline \end{array}$	19 $\frac{16}{23} - \frac{14}{23} =$ 	20 Convert to decimal $\frac{2}{4} =$

Student:

Teacher:

Date:

21 $\begin{array}{r} 209 \\ \times 21 \\ \hline \end{array}$	22 $\frac{15}{33} + \frac{29}{66} =$ _____	23 $0.95 - 0.8 =$ _____	24 $45 \overline{)540}$
25 $0.82 + 0.1 =$ _____	26 $-3 + -6 =$ _____	27 $2.62 + 1.6 =$ _____	28 Convert to decimal $\frac{8}{10} =$ _____
29 $-5 + 7 =$ _____	30 $30\% \text{ of } 50 =$ _____	31 Convert to fraction $0.31 =$ _____	32 $5.14 - 3.2 =$ _____
33 $52 \overline{)442}$	34 $4 + -9 =$ _____	35 $-8 - -2 =$ _____	36 $6 - -1 =$ _____
37 $\begin{array}{r} 0.13 \\ \times 2.2 \\ \hline \end{array}$	38 $2.4 \overline{)4.32}$	39 $\frac{1}{2} \div \frac{3}{5} =$ _____	40 $\frac{2}{15} \times \frac{4}{15} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 31 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	5.91	1	0	21.	4389	2	0
2.	96	1	0	22.	$\frac{59}{66}$	3	0
3.	7	1	0	23.	0.15	2	0
4.	$\frac{1}{4}$	1	0	24.	12	2	0
5.	110	1	0	25.	0.92	2	0
6.	2	1	0	26.	-9	2	0
7.	2.24	1	0	27.	4.22	2	0
8.	98	1	0	28.	0.8	2	0
9.	10	1	0	29.	2	2	0
10.	$\frac{1}{2}$	2	0	30.	15	3	0
11.	9	1	0	31.	$\frac{31}{100}$	1	0
12.	$\frac{4}{25}$	1	0	32.	1.94	3	0
13.	$\frac{43}{53}$	2	0	33.	8 r26; 8.5; $8\frac{26}{52}$; $8\frac{13}{26}$; $8\frac{1}{2}$	3	0
14.	$\frac{23}{100}$	2	0	34.	-5	2	0
15.	$\frac{5}{29}$	1	0	35.	-6	3	0
16.	$\frac{7}{24}$	1	0	36.	7	3	0
17.	$\frac{44}{47}$	1	0	37.	0.286	3	0
18.	26,660	2	0	38.	1.8	3	0
19.	$\frac{2}{23}$	1	0	39.	$\frac{5}{6}$	3	0
20.	0.5	2	0	40.	$\frac{8}{225}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 7.25 \\ + 2.68 \\ \hline \end{array}$	2 $\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 5 $x - 4$ _____	4 Write the fraction in lowest terms $\frac{2}{24} =$ _____
5 $\begin{array}{r} 12 \\ \times 18 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 9 $x - 7$ _____	7 $\begin{array}{r} 7.48 \\ - 6.29 \\ \hline \end{array}$	8 $\begin{array}{r} 14 \\ \times 3 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $2 + x$ _____	10 Write the fraction in lowest terms $\frac{11}{77} =$ _____	11 Evaluate the expression when x is equal to 3 $8 + x$ _____	12 Write the fraction in lowest terms $\frac{14}{20} =$ _____
13 $\frac{15}{45} + \frac{17}{45} =$ _____	14 Convert to fraction $0.27 =$ _____	15 $\frac{17}{21} - \frac{13}{21} =$ _____	16 Write the fraction in lowest terms $\frac{4}{10} =$ _____
17 $\frac{25}{43} + \frac{12}{43} =$ _____	18 $\begin{array}{r} 242 \\ \times 31 \\ \hline \end{array}$	19 $\frac{18}{23} - \frac{16}{23} =$ _____	20 Convert to decimal $\frac{1}{5} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 432 \\ \times 12 \\ \hline \end{array}$	22 $\frac{9}{24} + \frac{13}{48} =$ _____	23 $0.84 - 0.3 =$ _____	24 $32 \overline{)544}$
25 $0.39 + 0.5 =$ _____	26 $-1 + -5 =$ _____	27 $3.72 + 1.7 =$ _____	28 Convert to decimal $\frac{7}{10} =$ _____
29 $-10 + 8 =$ _____	30 $60\% \text{ of } 70 =$ _____	31 Convert to fraction $0.59 =$ _____	32 $4.23 - 3.5 =$ _____
33 $42 \overline{)231}$	34 $4 + -6 =$ _____	35 $-7 - -2 =$ _____	36 $9 - -9 =$ _____
37 $\begin{array}{r} 0.12 \\ \times 2.2 \\ \hline \end{array}$	38 $3.5 \overline{)4.2}$	39 $\frac{1}{4} \div \frac{2}{3} =$ _____	40 $\frac{8}{13} \times \frac{9}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 32 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9.93	1	0	21.	5184	2	0
2.	65	1	0	22.	$\frac{31}{48}$	3	0
3.	1	1	0	23.	0.54	2	0
4.	$\frac{1}{12}$	1	0	24.	17	2	0
5.	216	1	0	25.	0.89	2	0
6.	2	1	0	26.	-6	2	0
7.	1.19	1	0	27.	5.42	2	0
8.	42	1	0	28.	0.7	2	0
9.	8	1	0	29.	-2	2	0
10.	$\frac{1}{7}$	2	0	30.	42	3	0
11.	11	1	0	31.	$\frac{59}{100}$	1	0
12.	$\frac{7}{10}$	1	0	32.	0.73	3	0
13.	$\frac{32}{45}$	2	0	33.	5 r21; 5.5; $5\frac{21}{42}$; $5\frac{7}{14}$; $5\frac{1}{2}$	3	0
14.	$\frac{27}{100}$	2	0	34.	-2	2	0
15.	$\frac{4}{21}$	1	0	35.	-5	3	0
16.	$\frac{2}{5}$	1	0	36.	18	3	0
17.	$\frac{37}{43}$	1	0	37.	0.264	3	0
18.	7502	2	0	38.	1.2	3	0
19.	$\frac{2}{23}$	1	0	39.	$\frac{3}{8}$	3	0
20.	0.2	2	0	40.	$\frac{72}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

1 $\begin{array}{r} 7.19 \\ + 1.66 \\ \hline \end{array}$	2 $\begin{array}{r} 17 \\ \times 4 \\ \hline \end{array}$	3 Evaluate the expression when x is equal to 3 $7 - x$ _____	4 Write the fraction in lowest terms $\frac{3}{21} =$ _____
5 $\begin{array}{r} 15 \\ \times 10 \\ \hline \end{array}$	6 Evaluate the expression when x is equal to 4 $6 - x$ _____	7 $\begin{array}{r} 5.37 \\ - 4.28 \\ \hline \end{array}$	8 $\begin{array}{r} 18 \\ \times 7 \\ \hline \end{array}$
9 Evaluate the expression when x is equal to 6 $1 + x$ _____	10 Write the fraction in lowest terms $\frac{2}{6} =$ _____	11 Evaluate the expression when x is equal to 2 $4 + x$ _____	12 Write the fraction in lowest terms $\frac{14}{32} =$ _____
13 $\frac{19}{44} + \frac{16}{44} =$ _____	14 Convert to fraction $0.13 =$ _____	15 $\frac{19}{21} - \frac{11}{21} =$ _____	16 Write the fraction in lowest terms $\frac{10}{14} =$ _____
17 $\frac{16}{59} + \frac{15}{59} =$ _____	18 $\begin{array}{r} 317 \\ \times 41 \\ \hline \end{array}$	19 $\frac{15}{23} - \frac{10}{23} =$ _____	20 Convert to decimal $\frac{6}{12} =$ _____

Student:

Teacher:

Date:

21 $\begin{array}{r} 522 \\ \times 12 \\ \hline \end{array}$	22 $\frac{12}{24} + \frac{7}{48} =$ _____	23 $0.59 - 0.4 =$ _____	24 $34 \overline{)272}$
25 $0.73 + 0.2 =$ _____	26 $-4 + -4 =$ _____	27 $2.29 + 1.8 =$ _____	28 Convert to decimal $\frac{2}{8} =$ _____
29 $-5 + 9 =$ _____	30 $75\% \text{ of } 20 =$ _____	31 Convert to fraction $0.41 =$ _____	32 $5.13 - 4.5 =$ _____
33 $50 \overline{)140}$	34 $1 + -9 =$ _____	35 $-8 - -1 =$ _____	36 $6 - -2 =$ _____
37 $\begin{array}{r} 0.32 \\ \times 1.2 \\ \hline \end{array}$	38 $0.4 \overline{)2.0}$	39 $\frac{2}{4} \div \frac{3}{5} =$ _____	40 $\frac{2}{13} \times \frac{3}{13} =$ _____

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. For more information and examples of alternative correct answers, please refer to the Scoring section of the M-COMP manual.

Grade 6, Probe 33 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	8.85	1	0	21.	6264	2	0
2.	68	1	0	22.	$\frac{31}{48}$	3	0
3.	4	1	0	23.	0.19	2	0
4.	$\frac{1}{7}$	1	0	24.	8	2	0
5.	150	1	0	25.	0.93	2	0
6.	2	1	0	26.	-8	2	0
7.	1.09	1	0	27.	4.09	2	0
8.	126	1	0	28.	0.25	2	0
9.	7	1	0	29.	4	2	0
10.	$\frac{1}{3}$	2	0	30.	15	3	0
11.	6	1	0	31.	$\frac{41}{100}$	1	0
12.	$\frac{7}{16}$	1	0	32.	0.63	3	0
13.	$\frac{35}{44}$	2	0	33.	2 r40; 2.8; $2\frac{40}{50}$; $2\frac{20}{25}$; $2\frac{4}{5}$	3	0
14.	$\frac{13}{100}$	2	0	34.	-8	2	0
15.	$\frac{8}{21}$	1	0	35.	-7	3	0
16.	$\frac{5}{7}$	1	0	36.	8	3	0
17.	$\frac{31}{59}$	1	0	37.	0.384	3	0
18.	12,997	2	0	38.	5	3	0
19.	$\frac{5}{23}$	1	0	39.	$\frac{10}{12}$ or $\frac{5}{6}$	3	0
20.	0.5	2	0	40.	$\frac{6}{169}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2