

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.

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Grade 7, Probe 1 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	3	1	0	21.	$8\frac{1}{3}$	2	0
2.	25	1	0	22.	$\frac{63}{100}$	2	0
3.	$\frac{3}{29}$	2	0	23.	1.96	2	0
4.	25	1	0	24.	$\frac{7}{100}$	2	0
5.	$\frac{1}{3}$	1	0	25.	0.2484	3	0
6.	49	1	0	26.	3.31	2	0
7.	-7	2	0	27.	0.75	2	0
8.	12	1	0	28.	$\frac{35}{28}; \frac{5}{4}; 1\frac{1}{4}$	2	0
9.	$\frac{1}{2}$	1	0	29.	0.145	2	0
10.	46	1	0	30.	-11	3	0
11.	100	1	0	31.	$5\frac{9}{10}$	1	0
12.	$\frac{2}{11}$	1	0	32.	0.4	2	0
13.	2445	1	0	33.	39	3	0
14.	$\frac{1}{2}$	1	0	34.	45	2	0
15.	18,720	1	0	35.	$4\frac{1}{4}$	2	0
16.	48	1	0	36.	$1\frac{3}{7}$	2	0
17.	8	2	0	37.	1.1	3	0
18.	9	1	0	38.	-30	3	0
19.	-30	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.	$\frac{56}{54}$; $1\frac{2}{54}$; $1\frac{1}{27}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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Grade 7, Probe 2 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	18	1	0	21.	$1\frac{2}{5}$	2	0
2.	9	1	0	22.	$\frac{47}{100}$	2	0
3.	$\frac{3}{17}$	2	0	23.	1.82	2	0
4.	3	1	0	24.	$\frac{81}{100}$	2	0
5.	$\frac{1}{2}$	1	0	25.	0.1204	3	0
6.	4	1	0	26.	1.22	2	0
7.	2	2	0	27.	0.25	2	0
8.	13	1	0	28.	$\frac{32}{27}$ or $1\frac{5}{27}$	2	0
9.	$\frac{1}{4}$	1	0	29.	0.71	2	0
10.	23	1	0	30.	-1	3	0
11.	256	1	0	31.	$4\frac{3}{10}$	1	0
12.	$\frac{2}{7}$	1	0	32.	0.7	2	0
13.	11,550	1	0	33.	17	3	0
14.	$\frac{1}{12}$	1	0	34.	29	2	0
15.	6000	1	0	35.	$13\frac{1}{2}$	2	0
16.	13	1	0	36.	$6\frac{2}{7}$	2	0
17.	-1	2	0	37.	0.7	3	0
18.	11	1	0	38.	-17	3	0
19.	-18	2	0	39.	10 r21; 10.5; $10\frac{21}{42}$; $10\frac{7}{14}$; $10\frac{3}{6}$; $10\frac{1}{2}$	3	0
20.	324	1	0	40.	$\frac{45}{18}$; $2\frac{9}{18}$; $2\frac{1}{2}$	3	0

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Grade 7, Probe 3 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	30	1	0	21.	$4\frac{2}{3}$	2	0
2.	9	1	0	22.	$\frac{67}{100}$	2	0
3.	$\frac{7}{13}$	2	0	23.	3.86	2	0
4.	4	1	0	24.	$\frac{69}{100}$	2	0
5.	$\frac{1}{2}$	1	0	25.	0.2488	3	0
6.	81	1	0	26.	2.23	2	0
7.	7	2	0	27.	0.2	2	0
8.	19	1	0	28.	$\frac{27}{25}$ or $1\frac{2}{25}$	2	0
9.	$\frac{1}{5}$	1	0	29.	0.303	2	0
10.	32	1	0	30.	-1	3	0
11.	196	1	0	31.	$9\frac{9}{10}$	1	0
12.	$\frac{4}{23}$	1	0	32.	0.2	2	0
13.	7776	1	0	33.	14	3	0
14.	$\frac{1}{3}$	1	0	34.	24	2	0
15.	1590	1	0	35.	$4\frac{3}{4}$	2	0
16.	12	1	0	36.	$4\frac{2}{11}$	2	0
17.	3	2	0	37.	0.1	3	0
18.	7	1	0	38.	-22	3	0
19.	-18	2	0	39.	7 r21; 7.5; $7\frac{21}{42}$; $7\frac{7}{14}$; $7\frac{3}{6}$; $7\frac{1}{2}$	3	0
20.	144	1	0	40.	$\frac{56}{54}$; $1\frac{2}{54}$; $1\frac{1}{27}$	3	0

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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

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Subtotal 2

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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

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Subtotal 2

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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

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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

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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

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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

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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.	4 r10; 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

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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

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Subtotal 2

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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:

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:

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:

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:

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:

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:

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.	$7\frac{27}{45}$; 7.6; $7\frac{9}{15}$; $7\frac{3}{5}$	3	0
20.	289	1	0	40.	$\frac{70}{81}$	3	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

Student:

Teacher:

Date:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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:

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