

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 8, Probe 1 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	68	3	0
2.	16	1	0	22.	$2\frac{1}{22}$	2	0
3.	-45	1	0	23.	5	2	0
4.	1	1	0	24.	30	3	0
5.	49	1	0	25.	1331	3	0
6.	51	1	0	26.	176	3	0
7.	-17	2	0	27.	0.15315	3	0
8.	48	1	0	28.	0.605	2	0
9.	32	1	0	29.	195	3	0
10.	32	1	0	30.	0.375	3	0
11.	$\frac{91}{100}$	1	0	31.	$\frac{9}{20}$	3	0
12.	-21	1	0	32.	1.1	3	0
13.	0.1	1	0	33.	$4\frac{7}{12}$	2	0
14.	$\frac{21}{100}$	1	0	34.	0.7	3	0
15.	$3\frac{1}{3}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	361	2	0	36.	12	2	0
17.	10	2	0	37.	$25\frac{2}{3}$	3	0
18.	2	1	0	38.	$1\frac{1}{2}$	3	0
19.	$4\frac{2}{3}$	2	0	39.	$5\frac{3}{20}$	3	0
20.	$\frac{1}{18}$	2	0	40.	$6\frac{1}{8}$	2	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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Grade 8, Probe 2 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	64	1	0	21.	12	3	0
2.	16	1	0	22.	$2\frac{2}{11}$	2	0
3.	-45	1	0	23.	5	2	0
4.	8	1	0	24.	18	3	0
5.	18	1	0	25.	5832	3	0
6.	20	1	0	26.	243	3	0
7.	-1	2	0	27.	0.15045	3	0
8.	12	1	0	28.	0.492	2	0
9.	26	1	0	29.	221	3	0
10.	49	1	0	30.	0.125	3	0
11.	$\frac{43}{100}$	1	0	31.	$\frac{5}{16}$	3	0
12.	-23	1	0	32.	1.6	3	0
13.	0.3	1	0	33.	$5\frac{5}{8}$	2	0
14.	$\frac{27}{100}$	1	0	34.	1.8	3	0
15.	$3\frac{2}{5}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	225	2	0	36.	27	2	0
17.	17	2	0	37.	$5\frac{5}{8}$	3	0
18.	2	1	0	38.	$1\frac{1}{6}$	3	0
19.	$1\frac{3}{4}$	2	0	39.	$20\frac{1}{14}$	3	0
20.	$\frac{3}{8}$	2	0	40.	$6\frac{1}{8}$	2	0

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Grade 8, Probe 3 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	1	1	0	21.	15	3	0
2.	14	1	0	22.	$1\frac{1}{11}$	2	0
3.	-21	1	0	23.	2	2	0
4.	512	1	0	24.	10	3	0
5.	29	1	0	25.	2744	3	0
6.	50	1	0	26.	204	3	0
7.	6	2	0	27.	0.1421	3	0
8.	39	1	0	28.	0.309	2	0
9.	15	1	0	29.	252	3	0
10.	40	1	0	30.	0.875	3	0
11.	$\frac{21}{100}$	1	0	31.	$\frac{9}{56}$	3	0
12.	-38	1	0	32.	0.3	3	0
13.	0.5	1	0	33.	$5\frac{6}{7}$	2	0
14.	$\frac{51}{100}$	1	0	34.	0.4	3	0
15.	$11\frac{1}{2}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	361	2	0	36.	10	2	0
17.	-2	2	0	37.	$12\frac{1}{2}$	3	0
18.	5	1	0	38.	$1\frac{2}{25}$	3	0
19.	$3\frac{1}{3}$	2	0	39.	$8\frac{3}{10}$	3	0
20.	$\frac{8}{35}$	2	0	40.	$5\frac{3}{11}$	2	0

Subtotal 1

Subtotal 2

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Grade 8, Probe 4 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	49	1	0	21.	26	3	0
2.	21	1	0	22.	$2\frac{2}{11}$	2	0
3.	-70	1	0	23.	9	2	0
4.	512	1	0	24.	42	3	0
5.	16	1	0	25.	2197	3	0
6.	27	1	0	26.	198	3	0
7.	-14	2	0	27.	0.11121	3	0
8.	24	1	0	28.	0.396	2	0
9.	12	1	0	29.	234	3	0
10.	43	1	0	30.	0.625	3	0
11.	$\frac{77}{100}$	1	0	31.	$\frac{35}{36}$	3	0
12.	-29	1	0	32.	1.1	3	0
13.	0.8	1	0	33.	$3\frac{7}{12}$	2	0
14.	$\frac{19}{100}$	1	0	34.	0.4	3	0
15.	$7\frac{1}{2}$	2	0	35.	$1\frac{1}{3}$	3	0
16.	324	2	0	36.	34	2	0
17.	5	2	0	37.	$1\frac{3}{5}$	3	0
18.	5	1	0	38.	$1\frac{5}{16}$	3	0
19.	$5\frac{3}{4}$	2	0	39.	$7\frac{1}{14}$	3	0
20.	$\frac{1}{14}$	2	0	40.	$5\frac{1}{10}$	2	0

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Grade 8, Probe 5 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4	1	0	21.	33	3	0
2.	19	1	0	22.	$1\frac{1}{44}$	2	0
3.	-42	1	0	23.	7	2	0
4.	1	1	0	24.	3	3	0
5.	19	1	0	25.	4913	3	0
6.	70	1	0	26.	126	3	0
7.	-78	2	0	27.	0.13299	3	0
8.	48	1	0	28.	0.408	2	0
9.	21	1	0	29.	220	3	0
10.	33	1	0	30.	0.125	3	0
11.	$\frac{9}{10}$	1	0	31.	$\frac{9}{40}$	3	0
12.	-20	1	0	32.	0.3	3	0
13.	0.6	1	0	33.	$3\frac{7}{8}$	2	0
14.	$\frac{41}{100}$	1	0	34.	0.5	3	0
15.	$4\frac{1}{3}$	2	0	35.	$1\frac{1}{4}$	3	0
16.	361	2	0	36.	32	2	0
17.	15	2	0	37.	$11\frac{3}{8}$	3	0
18.	8	1	0	38.	$1\frac{5}{16}$	3	0
19.	$1\frac{4}{5}$	2	0	39.	$22\frac{1}{3}$	3	0
20.	$\frac{4}{7}$	2	0	40.	$5\frac{3}{8}$	2	0

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Grade 8, Probe 6 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	81	1	0	21.	36	3	0
2.	15	1	0	22.	$1\frac{5}{22}$	2	0
3.	-70	1	0	23.	3	2	0
4.	343	1	0	24.	9	3	0
5.	20	1	0	25.	6859	3	0
6.	14	1	0	26.	121	3	0
7.	12	2	0	27.	0.11231	3	0
8.	30	1	0	28.	0.372	2	0
9.	12	1	0	29.	222	3	0
10.	41	1	0	30.	0.625	3	0
11.	$\frac{17}{100}$	1	0	31.	$\frac{9}{56}$	3	0
12.	-26	1	0	32.	1.3	3	0
13.	0.7	1	0	33.	$5\frac{2}{11}$	2	0
14.	$\frac{3}{10}$	1	0	34.	2.6	3	0
15.	$6\frac{1}{3}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	289	2	0	36.	26	2	0
17.	4	2	0	37.	$2\frac{1}{2}$	3	0
18.	3	1	0	38.	$1\frac{1}{2}$	3	0
19.	$1\frac{1}{2}$	2	0	39.	$18\frac{1}{10}$	3	0
20.	$\frac{25}{36}$	2	0	40.	$6\frac{1}{8}$	2	0

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Grade 8, Probe 7 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	7	3	0
2.	4	1	0	22.	$2\frac{19}{22}$	2	0
3.	-10	1	0	23.	9	2	0
4.	729	1	0	24.	8	3	0
5.	12	1	0	25.	4096	3	0
6.	16	1	0	26.	176	3	0
7.	-12	2	0	27.	0.1206	3	0
8.	32	1	0	28.	0.363	2	0
9.	13	1	0	29.	204	3	0
10.	42	1	0	30.	0.875	3	0
11.	$\frac{73}{100}$	1	0	31.	$\frac{1}{8}$	3	0
12.	-31	1	0	32.	0.3	3	0
13.	0.6	1	0	33.	$9\frac{9}{14}$	2	0
14.	$\frac{13}{100}$	1	0	34.	0.6	3	0
15.	$2\frac{1}{2}$	2	0	35.	$1\frac{3}{14}$	3	0
16.	324	2	0	36.	20	2	0
17.	-4	2	0	37.	$10\frac{2}{3}$	3	0
18.	8	1	0	38.	$1\frac{1}{9}$	3	0
19.	$5\frac{1}{3}$	2	0	39.	$21\frac{1}{4}$	3	0
20.	$\frac{1}{2}$	2	0	40.	$2\frac{1}{4}$	2	0

Subtotal 1

Subtotal 2

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Grade 8, Probe 8 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	49	1	0	21.	7	3	0
2.	36	1	0	22.	$2\frac{2}{11}$	2	0
3.	-24	1	0	23.	8	2	0
4.	8	1	0	24.	7	3	0
5.	28	1	0	25.	2197	3	0
6.	21	1	0	26.	174	3	0
7.	47	2	0	27.	0.15075	3	0
8.	18	1	0	28.	0.132	2	0
9.	29	1	0	29.	300	3	0
10.	33	1	0	30.	0.875	3	0
11.	$\frac{37}{100}$	1	0	31.	$\frac{7}{9}$	3	0
12.	-20	1	0	32.	1.1	3	0
13.	0.5	1	0	33.	$3\frac{5}{14}$	2	0
14.	$\frac{3}{10}$	1	0	34.	0.9	3	0
15.	$2\frac{3}{4}$	2	0	35.	$4\frac{1}{2}$	3	0
16.	256	2	0	36.	28	2	0
17.	5	2	0	37.	$14\frac{46}{63}$	3	0
18.	9	1	0	38.	2	3	0
19.	$13\frac{1}{3}$	2	0	39.	$7\frac{1}{6}$	3	0
20.	$\frac{5}{16}$	2	0	40.	$3\frac{3}{5}$	2	0

Subtotal 1

Subtotal 2

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Grade 8, Probe 9 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	5	3	0
2.	19	1	0	22.	$1\frac{7}{11}$	2	0
3.	-85	1	0	23.	7	2	0
4.	216	1	0	24.	12	3	0
5.	18	1	0	25.	8000	3	0
6.	28	1	0	26.	207	3	0
7.	-50	2	0	27.	0.14028	3	0
8.	40	1	0	28.	0.248	2	0
9.	45	1	0	29.	252	3	0
10.	24	1	0	30.	0.375	3	0
11.	$\frac{93}{100}$	1	0	31.	$\frac{1}{3}$	3	0
12.	-27	1	0	32.	0.6	3	0
13.	0.9	1	0	33.	$4\frac{2}{3}$	2	0
14.	$\frac{67}{100}$	1	0	34.	1.7	3	0
15.	$6\frac{3}{4}$	2	0	35.	$1\frac{1}{9}$	3	0
16.	100	2	0	36.	21	2	0
17.	-7	2	0	37.	$2\frac{1}{3}$	3	0
18.	9	1	0	38.	$2\frac{2}{3}$	3	0
19.	$1\frac{5}{6}$	2	0	39.	$8\frac{15}{16}$	3	0
20.	$\frac{21}{50}$	2	0	40.	$2\frac{1}{4}$	2	0

Subtotal 1

Subtotal 2

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Grade 8, Probe 10 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	16	1	0	21.	5	3	0
2.	38	1	0	22.	$1\frac{1}{11}$	2	0
3.	-48	1	0	23.	4	2	0
4.	1	1	0	24.	6	3	0
5.	12	1	0	25.	1000	3	0
6.	30	1	0	26.	144	3	0
7.	-51	2	0	27.	0.1407	3	0
8.	36	1	0	28.	0.404	2	0
9.	17	1	0	29.	216	3	0
10.	32	1	0	30.	0.625	3	0
11.	$\frac{37}{100}$	1	0	31.	$\frac{8}{9}$	3	0
12.	-25	1	0	32.	0.6	3	0
13.	0.5	1	0	33.	$7\frac{7}{13}$	2	0
14.	$\frac{47}{100}$	1	0	34.	0.6	3	0
15.	$9\frac{3}{4}$	2	0	35.	$1\frac{1}{4}$	3	0
16.	121	2	0	36.	44	2	0
17.	19	2	0	37.	$18\frac{5}{12}$	3	0
18.	8	1	0	38.	$1\frac{1}{5}$	3	0
19.	$4\frac{1}{2}$	2	0	39.	$18\frac{1}{2}$	3	0
20.	$\frac{10}{21}$	2	0	40.	$2\frac{1}{4}$	2	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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Grade 8, Probe 11 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	49	3	0
2.	36	1	0	22.	$1\frac{2}{33}$	2	0
3.	-64	1	0	23.	6	2	0
4.	8	1	0	24.	27	3	0
5.	42	1	0	25.	2197	3	0
6.	15	1	0	26.	176	3	0
7.	-50	2	0	27.	0.701	3	0
8.	20	1	0	28.	0.528	2	0
9.	19	1	0	29.	132	3	0
10.	22	1	0	30.	0.875	3	0
11.	$\frac{7}{10}$	1	0	31.	$\frac{3}{5}$	3	0
12.	-25	1	0	32.	2.7	3	0
13.	0.3	1	0	33.	$17\frac{13}{14}$	2	0
14.	$\frac{11}{100}$	1	0	34.	0.6	3	0
15.	$3\frac{5}{6}$	2	0	35.	$3\frac{1}{6}$	3	0
16.	196	2	0	36.	45	2	0
17.	-3	2	0	37.	$8\frac{13}{15}$	3	0
18.	8	1	0	38.	$1\frac{1}{14}$	3	0
19.	$6\frac{2}{5}$	2	0	39.	$18\frac{19}{20}$	3	0
20.	$\frac{2}{7}$	2	0	40.	$3\frac{5}{13}$	2	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2

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Grade 8, Probe 12 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	81	1	0	21.	11	3	0
2.	7	1	0	22.	$1\frac{26}{55}$	2	0
3.	-28	1	0	23.	7	2	0
4.	64	1	0	24.	27	3	0
5.	15	1	0	25.	3375	3	0
6.	60	1	0	26.	210	3	0
7.	-5	2	0	27.	0.11022	3	0
8.	30	1	0	28.	0.246	2	0
9.	13	1	0	29.	304	3	0
10.	35	1	0	30.	0.625	3	0
11.	$\frac{93}{100}$	1	0	31.	$\frac{4}{9}$	3	0
12.	-21	1	0	32.	1.4	3	0
13.	0.8	1	0	33.	$8\frac{2}{9}$	2	0
14.	$\frac{19}{100}$	1	0	34.	0.3	3	0
15.	$10\frac{1}{2}$	2	0	35.	$1\frac{1}{9}$	3	0
16.	324	2	0	36.	40	2	0
17.	26	2	0	37.	$23\frac{4}{5}$	3	0
18.	5	1	0	38.	$1\frac{1}{20}$	3	0
19.	$9\frac{1}{3}$	2	0	39.	$8\frac{1}{16}$	3	0
20.	$\frac{4}{21}$	2	0	40.	$4\frac{1}{6}$	2	0

Subtotal 1

Subtotal 2

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Grade 8, Probe 13 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	4	1	0	21.	18	3	0
2.	5	1	0	22.	$2\frac{5}{11}$	2	0
3.	-16	1	0	23.	4	2	0
4.	729	1	0	24.	20	3	0
5.	14	1	0	25.	1728	3	0
6.	32	1	0	26.	165	3	0
7.	-37	2	0	27.	0.15015	3	0
8.	33	1	0	28.	0.264	2	0
9.	16	1	0	29.	245	3	0
10.	40	1	0	30.	0.125	3	0
11.	$\frac{53}{100}$	1	0	31.	$\frac{3}{8}$	3	0
12.	-28	1	0	32.	1.7	3	0
13.	0.8	1	0	33.	$5\frac{6}{7}$	2	0
14.	$\frac{31}{100}$	1	0	34.	0.6	3	0
15.	$12\frac{1}{2}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	324	2	0	36.	45	2	0
17.	-9	2	0	37.	$10\frac{2}{3}$	3	0
18.	7	1	0	38.	$1\frac{2}{25}$	3	0
19.	$4\frac{3}{4}$	2	0	39.	$6\frac{3}{8}$	3	0
20.	$\frac{5}{18}$	2	0	40.	$3\frac{3}{5}$	2	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 8, Probe 14 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	36	1	0	21.	36	3	0
2.	8	1	0	22.	$1\frac{1}{44}$	2	0
3.	-20	1	0	23.	9	2	0
4.	8	1	0	24.	5	3	0
5.	22	1	0	25.	5832	3	0
6.	24	1	0	26.	154	3	0
7.	-1	2	0	27.	0.11044	3	0
8.	48	1	0	28.	0.5	2	0
9.	40	1	0	29.	156	3	0
10.	31	1	0	30.	0.125	3	0
11.	$\frac{89}{100}$	1	0	31.	$\frac{3}{4}$	3	0
12.	-24	1	0	32.	1.1	3	0
13.	0.9	1	0	33.	$3\frac{5}{12}$	2	0
14.	$\frac{29}{100}$	1	0	34.	0.5	3	0
15.	$2\frac{2}{3}$	2	0	35.	1	3	0
16.	400	2	0	36.	24	2	0
17.	15	2	0	37.	$2\frac{1}{2}$	3	0
18.	9	1	0	38.	$1\frac{1}{20}$	3	0
19.	$3\frac{1}{4}$	2	0	39.	$7\frac{1}{6}$	3	0
20.	$\frac{2}{7}$	2	0	40.	$3\frac{3}{8}$	2	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 8, Probe 15 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	1	1	0	21.	6	3	0
2.	6	1	0	22.	$1\frac{1}{11}$	2	0
3.	-35	1	0	23.	2	2	0
4.	216	1	0	24.	27	3	0
5.	13	1	0	25.	2744	3	0
6.	36	1	0	26.	203	3	0
7.	-12	2	0	27.	0.11143	3	0
8.	16	1	0	28.	0.103	2	0
9.	34	1	0	29.	240	3	0
10.	32	1	0	30.	0.625	3	0
11.	$\frac{67}{100}$	1	0	31.	$\frac{3}{4}$	3	0
12.	-19	1	0	32.	0.6	3	0
13.	0.7	1	0	33.	$6\frac{4}{7}$	2	0
14.	$\frac{87}{100}$	1	0	34.	0.4	3	0
15.	$6\frac{1}{5}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	100	2	0	36.	35	2	0
17.	21	2	0	37.	$8\frac{2}{63}$	3	0
18.	6	1	0	38.	$3\frac{3}{20}$	3	0
19.	$9\frac{1}{2}$	2	0	39.	6	3	0
20.	$\frac{3}{16}$	2	0	40.	$3\frac{3}{5}$	2	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 8, Probe 16 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	7	3	0
2.	13	1	0	22.	$1\frac{8}{55}$	2	0
3.	-36	1	0	23.	7	2	0
4.	216	1	0	24.	24	3	0
5.	20	1	0	25.	1331	3	0
6.	36	1	0	26.	240	3	0
7.	-52	2	0	27.	0.13039	3	0
8.	42	1	0	28.	0.204	2	0
9.	36	1	0	29.	280	3	0
10.	29	1	0	30.	0.375	3	0
11.	$\frac{99}{100}$	1	0	31.	$6\frac{2}{3}$	3	0
12.	-28	1	0	32.	1.3	3	0
13.	0.4	1	0	33.	$5\frac{5}{13}$	2	0
14.	$\frac{51}{100}$	1	0	34.	0.5	3	0
15.	$4\frac{1}{2}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	400	2	0	36.	26	2	0
17.	-2	2	0	37.	$3\frac{1}{9}$	3	0
18.	9	1	0	38.	$1\frac{1}{3}$	3	0
19.	$4\frac{1}{3}$	2	0	39.	$21\frac{1}{4}$	3	0
20.	$\frac{16}{49}$	2	0	40.	$1\frac{1}{6}$	2	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 8, Probe 17 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	81	1	0	21.	34	3	0
2.	24	1	0	22.	$2\frac{2}{11}$	2	0
3.	-30	1	0	23.	8	2	0
4.	125	1	0	24.	9	3	0
5.	12	1	0	25.	3375	3	0
6.	65	1	0	26.	195	3	0
7.	-43	2	0	27.	0.14294	3	0
8.	14	1	0	28.	0.525	2	0
9.	14	1	0	29.	198	3	0
10.	34	1	0	30.	0.125	3	0
11.	$\frac{61}{100}$	1	0	31.	$\frac{4}{5}$	3	0
12.	-31	1	0	32.	2.6	3	0
13.	0.5	1	0	33.	$11\frac{5}{9}$	2	0
14.	$\frac{57}{100}$	1	0	34.	0.5	3	0
15.	$9\frac{2}{3}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	289	2	0	36.	21	2	0
17.	16	2	0	37.	$5\frac{4}{9}$	3	0
18.	3	1	0	38.	$1\frac{1}{15}$	3	0
19.	$4\frac{2}{5}$	2	0	39.	$21\frac{1}{4}$	3	0
20.	$\frac{1}{25}$	2	0	40.	$5\frac{1}{10}$	2	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 8, Probe 18 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	30	3	0
2.	35	1	0	22.	$1\frac{13}{22}$	2	0
3.	-20	1	0	23.	3	2	0
4.	27	1	0	24.	35	3	0
5.	10	1	0	25.	1728	3	0
6.	12	1	0	26.	143	3	0
7.	-75	2	0	27.	0.56029	3	0
8.	20	1	0	28.	0.369	2	0
9.	18	1	0	29.	216	3	0
10.	21	1	0	30.	0.875	3	0
11.	$\frac{1}{10}$	1	0	31.	$\frac{3}{4}$	3	0
12.	-24	1	0	32.	0.4	3	0
13.	0.6	1	0	33.	$15\frac{7}{12}$	2	0
14.	$\frac{13}{100}$	1	0	34.	1.1	3	0
15.	$6\frac{1}{5}$	2	0	35.	$\frac{3}{8}$	3	0
16.	144	2	0	36.	40	2	0
17.	2	2	0	37.	$3\frac{1}{9}$	3	0
18.	5	1	0	38.	$1\frac{1}{15}$	3	0
19.	$6\frac{1}{4}$	2	0	39.	$18\frac{9}{10}$	3	0
20.	$\frac{3}{40}$	2	0	40.	$3\frac{3}{11}$	2	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 8, Probe 19 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	49	1	0	21.	60	3	0
2.	12	1	0	22.	$1\frac{37}{44}$	2	0
3.	-64	1	0	23.	3	2	0
4.	8	1	0	24.	3	3	0
5.	35	1	0	25.	2744	3	0
6.	117	1	0	26.	205	3	0
7.	-11	2	0	27.	0.12144	3	0
8.	39	1	0	28.	0.208	2	0
9.	21	1	0	29.	285	3	0
10.	30	1	0	30.	0.875	3	0
11.	$\frac{49}{100}$	1	0	31.	$\frac{3}{4}$	3	0
12.	-25	1	0	32.	2.6	3	0
13.	0.2	1	0	33.	$4\frac{4}{5}$	2	0
14.	$\frac{69}{100}$	1	0	34.	1.8	3	0
15.	$8\frac{1}{3}$	2	0	35.	$1\frac{1}{4}$	3	0
16.	324	2	0	36.	20	2	0
17.	17	2	0	37.	$25\frac{2}{3}$	3	0
18.	5	1	0	38.	$1\frac{5}{16}$	3	0
19.	$4\frac{1}{2}$	2	0	39.	$5\frac{1}{4}$	3	0
20.	$\frac{8}{21}$	2	0	40.	$5\frac{1}{10}$	2	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 8, Probe 20 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	16	1	0	21.	5	3	0
2.	49	1	0	22.	$2\frac{2}{11}$	2	0
3.	-42	1	0	23.	3	2	0
4.	64	1	0	24.	40	3	0
5.	20	1	0	25.	1000	3	0
6.	28	1	0	26.	195	3	0
7.	-32	2	0	27.	0.38496	3	0
8.	18	1	0	28.	0.3	2	0
9.	8	1	0	29.	132	3	0
10.	26	1	0	30.	0.625	3	0
11.	$\frac{17}{100}$	1	0	31.	$\frac{7}{8}$	3	0
12.	-19	1	0	32.	0.8	3	0
13.	0.4	1	0	33.	$20\frac{10}{11}$	2	0
14.	$\frac{23}{100}$	1	0	34.	0.5	3	0
15.	$5\frac{3}{4}$	2	0	35.	$1\frac{1}{8}$	3	0
16.	225	2	0	36.	49	2	0
17.	0	2	0	37.	$23\frac{4}{5}$	3	0
18.	4	1	0	38.	$1\frac{1}{15}$	3	0
19.	$6\frac{1}{3}$	2	0	39.	$18\frac{7}{8}$	3	0
20.	$\frac{3}{40}$	2	0	40.	$1\frac{1}{12}$	2	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 8, Probe 21 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	36	1	0	21.	51	3	0
2.	24	1	0	22.	$2\frac{6}{11}$	2	0
3.	-50	1	0	23.	5	2	0
4.	8	1	0	24.	5	3	0
5.	33	1	0	25.	4096	3	0
6.	40	1	0	26.	240	3	0
7.	-18	2	0	27.	0.13273	3	0
8.	46	1	0	28.	0.202	2	0
9.	20	1	0	29.	189	3	0
10.	47	1	0	30.	0.875	3	0
11.	$\frac{61}{100}$	1	0	31.	$\frac{5}{9}$	3	0
12.	-29	1	0	32.	1.6	3	0
13.	0.6	1	0	33.	$9\frac{5}{9}$	2	0
14.	$\frac{71}{100}$	1	0	34.	1.6	3	0
15.	$2\frac{1}{2}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	196	2	0	36.	48	2	0
17.	19	2	0	37.	$5\frac{5}{8}$	3	0
18.	8	1	0	38.	2	3	0
19.	$2\frac{1}{2}$	2	0	39.	$16\frac{1}{6}$	3	0
20.	$\frac{4}{25}$	2	0	40.	$1\frac{3}{8}$	2	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 8, Probe 22 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	14	3	0
2.	17	1	0	22.	$1\frac{10}{11}$	2	0
3.	-52	1	0	23.	9	2	0
4.	64	1	0	24.	22	3	0
5.	14	1	0	25.	3375	3	0
6.	15	1	0	26.	180	3	0
7.	-3	2	0	27.	0.14308	3	0
8.	30	1	0	28.	0.124	2	0
9.	47	1	0	29.	176	3	0
10.	37	1	0	30.	0.625	3	0
11.	$\frac{39}{100}$	1	0	31.	$\frac{9}{10}$	3	0
12.	-26	1	0	32.	0.7	3	0
13.	0.9	1	0	33.	$5\frac{7}{13}$	2	0
14.	$\frac{7}{10}$	1	0	34.	1.1	3	0
15.	$2\frac{3}{4}$	2	0	35.	$1\frac{8}{15}$	3	0
16.	256	2	0	36.	48	2	0
17.	14	2	0	37.	$25\frac{2}{3}$	3	0
18.	2	1	0	38.	$1\frac{22}{27}$	3	0
19.	$1\frac{1}{6}$	2	0	39.	$6\frac{1}{14}$	3	0
20.	$\frac{3}{40}$	2	0	40.	$3\frac{1}{6}$	2	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 8, Probe 23 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	11	3	0
2.	9	1	0	22.	$1\frac{4}{77}$	2	0
3.	-80	1	0	23.	3	2	0
4.	343	1	0	24.	15	3	0
5.	14	1	0	25.	3375	3	0
6.	34	1	0	26.	150	3	0
7.	22	2	0	27.	0.14042	3	0
8.	18	1	0	28.	0.25	2	0
9.	19	1	0	29.	224	3	0
10.	40	1	0	30.	0.125	3	0
11.	$\frac{37}{100}$	1	0	31.	$\frac{8}{9}$	3	0
12.	-21	1	0	32.	1.2	3	0
13.	0.3	1	0	33.	$3\frac{5}{13}$	2	0
14.	$\frac{21}{100}$	1	0	34.	1.1	3	0
15.	$4\frac{4}{5}$	2	0	35.	$1\frac{7}{16}$	3	0
16.	169	2	0	36.	16	2	0
17.	15	2	0	37.	$5\frac{4}{9}$	3	0
18.	8	1	0	38.	$1\frac{1}{20}$	3	0
19.	$3\frac{1}{2}$	2	0	39.	$8\frac{15}{16}$	3	0
20.	$\frac{5}{12}$	2	0	40.	$2\frac{1}{4}$	2	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 8, Probe 24 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	25	1	0	21.	3	3	0
2.	8	1	0	22.	$1\frac{7}{11}$	2	0
3.	-32	1	0	23.	2	2	0
4.	343	1	0	24.	28	3	0
5.	12	1	0	25.	2744	3	0
6.	42	1	0	26.	210	3	0
7.	7	2	0	27.	0.1518	3	0
8.	24	1	0	28.	0.366	2	0
9.	26	1	0	29.	260	3	0
10.	31	1	0	30.	0.875	3	0
11.	$\frac{79}{100}$	1	0	31.	$\frac{4}{5}$	3	0
12.	-17	1	0	32.	0.7	3	0
13.	0.5	1	0	33.	$6\frac{4}{7}$	2	0
14.	$\frac{49}{100}$	1	0	34.	0.7	3	0
15.	$5\frac{1}{2}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	361	2	0	36.	10	2	0
17.	11	2	0	37.	$3\frac{1}{9}$	3	0
18.	5	1	0	38.	$1\frac{1}{63}$	3	0
19.	$4\frac{3}{5}$	2	0	39.	$7\frac{1}{14}$	3	0
20.	$\frac{1}{5}$	2	0	40.	$1\frac{3}{7}$	2	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 8, Probe 25 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	64	1	0	21.	15	3	0
2.	21	1	0	22.	$1\frac{19}{44}$	2	0
3.	-24	1	0	23.	8	2	0
4.	27	1	0	24.	17	3	0
5.	25	1	0	25.	2197	3	0
6.	80	1	0	26.	147	3	0
7.	-15	2	0	27.	0.1218	3	0
8.	36	1	0	28.	0.625	2	0
9.	16	1	0	29.	225	3	0
10.	45	1	0	30.	0.375	3	0
11.	$\frac{83}{100}$	1	0	31.	$\frac{9}{40}$	3	0
12.	-25	1	0	32.	1.1	3	0
13.	0.2	1	0	33.	$3\frac{7}{12}$	2	0
14.	$\frac{29}{100}$	1	0	34.	1.7	3	0
15.	$1\frac{1}{4}$	2	0	35.	$1\frac{1}{4}$	3	0
16.	144	2	0	36.	12	2	0
17.	4	2	0	37.	$6\frac{2}{3}$	3	0
18.	4	1	0	38.	$1\frac{1}{6}$	3	0
19.	$2\frac{2}{3}$	2	0	39.	$10\frac{1}{18}$	3	0
20.	$\frac{6}{35}$	2	0	40.	$3\frac{3}{5}$	2	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 8, Probe 26 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	9	1	0	21.	48	3	0
2.	8	1	0	22.	$2\frac{19}{22}$	2	0
3.	-26	1	0	23.	4	2	0
4.	64	1	0	24.	60	3	0
5.	31	1	0	25.	4096	3	0
6.	85	1	0	26.	187	3	0
7.	14	2	0	27.	0.13195	3	0
8.	36	1	0	28.	0.125	2	0
9.	25	1	0	29.	208	3	0
10.	49	1	0	30.	0.875	3	0
11.	$\frac{13}{100}$	1	0	31.	$\frac{9}{64}$	3	0
12.	-24	1	0	32.	1.4	3	0
13.	0.5	1	0	33.	$8\frac{2}{9}$	2	0
14.	$\frac{99}{100}$	1	0	34.	0.5	3	0
15.	$4\frac{1}{6}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	196	2	0	36.	24	2	0
17.	-5	2	0	37.	$19\frac{1}{8}$	3	0
18.	7	1	0	38.	$1\frac{1}{3}$	3	0
19.	$2\frac{1}{5}$	2	0	39.	$7\frac{1}{6}$	3	0
20.	$\frac{8}{15}$	2	0	40.	$3\frac{1}{6}$	2	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 8, Probe 27 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	1	1	0	21.	44	3	0
2.	17	1	0	22.	$1\frac{13}{22}$	2	0
3.	-56	1	0	23.	9	2	0
4.	216	1	0	24.	7	3	0
5.	32	1	0	25.	1331	3	0
6.	18	1	0	26.	256	3	0
7.	-14	2	0	27.	0.13286	3	0
8.	27	1	0	28.	0.369	2	0
9.	18	1	0	29.	323	3	0
10.	36	1	0	30.	0.125	3	0
11.	$\frac{71}{100}$	1	0	31.	$\frac{3}{5}$	3	0
12.	-19	1	0	32.	0.2	3	0
13.	0.2	1	0	33.	$3\frac{5}{13}$	2	0
14.	$\frac{31}{100}$	1	0	34.	1.3	3	0
15.	$3\frac{3}{4}$	2	0	35.	$1\frac{1}{6}$	3	0
16.	256	2	0	36.	30	2	0
17.	-3	2	0	37.	$30\frac{1}{4}$	3	0
18.	2	1	0	38.	$1\frac{1}{20}$	3	0
19.	$14\frac{1}{2}$	2	0	39.	$7\frac{1}{10}$	3	0
20.	$\frac{1}{3}$	2	0	40.	$3\frac{1}{5}$	2	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 8, Probe 28 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	81	1	0	21.	5	3	0
2.	5	1	0	22.	$2\frac{5}{22}$	2	0
3.	-24	1	0	23.	2	2	0
4.	27	1	0	24.	3	3	0
5.	17	1	0	25.	2197	3	0
6.	35	1	0	26.	273	3	0
7.	-57	2	0	27.	0.14322	3	0
8.	30	1	0	28.	0.615	2	0
9.	13	1	0	29.	182	3	0
10.	45	1	0	30.	0.625	3	0
11.	$\frac{81}{100}$	1	0	31.	$\frac{3}{5}$	3	0
12.	-34	1	0	32.	0.8	3	0
13.	0.5	1	0	33.	$8\frac{7}{12}$	2	0
14.	$\frac{7}{10}$	1	0	34.	0.8	3	0
15.	$1\frac{2}{3}$	2	0	35.	$5\frac{1}{3}$	3	0
16.	144	2	0	36.	42	2	0
17.	-1	2	0	37.	$12\frac{1}{4}$	3	0
18.	7	1	0	38.	$1\frac{1}{27}$	3	0
19.	$5\frac{3}{4}$	2	0	39.	$7\frac{1}{14}$	3	0
20.	$\frac{1}{15}$	2	0	40.	$5\frac{3}{8}$	2	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 8, Probe 29 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	64	1	0	21.	6	3	0
2.	38	1	0	22.	$1\frac{4}{11}$	2	0
3.	-34	1	0	23.	4	2	0
4.	27	1	0	24.	8	3	0
5.	48	1	0	25.	5832	3	0
6.	48	1	0	26.	150	3	0
7.	-44	2	0	27.	0.13026	3	0
8.	28	1	0	28.	0.412	2	0
9.	16	1	0	29.	300	3	0
10.	45	1	0	30.	0.125	3	0
11.	$\frac{59}{100}$	1	0	31.	$\frac{5}{16}$	3	0
12.	-20	1	0	32.	0.5	3	0
13.	0.6	1	0	33.	$11\frac{5}{9}$	2	0
14.	$\frac{17}{100}$	1	0	34.	2.4	3	0
15.	$1\frac{2}{3}$	2	0	35.	$1\frac{5}{14}$	3	0
16.	256	2	0	36.	38	2	0
17.	24	2	0	37.	$8\frac{2}{63}$	3	0
18.	9	1	0	38.	$3\frac{1}{3}$	3	0
19.	$2\frac{4}{5}$	2	0	39.	$7\frac{1}{16}$	3	0
20.	$\frac{1}{12}$	2	0	40.	$3\frac{5}{13}$	2	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 8, Probe 30 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	36	1	0	21.	1	3	0
2.	19	1	0	22.	$3\frac{15}{22}$	2	0
3.	-60	1	0	23.	2	2	0
4.	512	1	0	24.	24	3	0
5.	43	1	0	25.	1728	3	0
6.	40	1	0	26.	154	3	0
7.	-70	2	0	27.	0.12252	3	0
8.	28	1	0	28.	0.375	2	0
9.	15	1	0	29.	234	3	0
10.	39	1	0	30.	0.375	3	0
11.	$\frac{73}{100}$	1	0	31.	$\frac{8}{15}$	3	0
12.	-28	1	0	32.	1.1	3	0
13.	0.5	1	0	33.	$9\frac{5}{12}$	2	0
14.	$\frac{79}{100}$	1	0	34.	0.5	3	0
15.	$3\frac{4}{5}$	2	0	35.	$1\frac{7}{16}$	3	0
16.	361	2	0	36.	10	2	0
17.	11	2	0	37.	$18\frac{5}{12}$	3	0
18.	8	1	0	38.	$1\frac{5}{16}$	3	0
19.	$3\frac{1}{2}$	2	0	39.	$18\frac{1}{2}$	3	0
20.	$\frac{8}{15}$	2	0	40.	$3\frac{3}{11}$	2	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 8, Probe 31 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	16	1	0	21.	33	3	0
2.	7	1	0	22.	$2\frac{5}{11}$	2	0
3.	-12	1	0	23.	7	2	0
4.	343	1	0	24.	36	3	0
5.	14	1	0	25.	3375	3	0
6.	26	1	0	26.	143	3	0
7.	-6	2	0	27.	0.12156	3	0
8.	35	1	0	28.	0.62	2	0
9.	23	1	0	29.	210	3	0
10.	38	1	0	30.	0.625	3	0
11.	$\frac{57}{100}$	1	0	31.	$\frac{8}{15}$	3	0
12.	-31	1	0	32.	2.7	3	0
13.	0.4	1	0	33.	$3\frac{5}{13}$	2	0
14.	$\frac{77}{100}$	1	0	34.	0.6	3	0
15.	$7\frac{1}{4}$	2	0	35.	$1\frac{7}{16}$	3	0
16.	289	2	0	36.	27	2	0
17.	9	2	0	37.	$1\frac{3}{5}$	3	0
18.	8	1	0	38.	$1\frac{1}{5}$	3	0
19.	$3\frac{3}{5}$	2	0	39.	$7\frac{1}{14}$	3	0
20.	$\frac{7}{12}$	2	0	40.	$1\frac{2}{5}$	2	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 8, Probe 32 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	16	1	0	21.	5	3	0
2.	23	1	0	22.	$1\frac{17}{55}$	2	0
3.	-51	1	0	23.	6	2	0
4.	343	1	0	24.	9	3	0
5.	27	1	0	25.	2197	3	0
6.	32	1	0	26.	189	3	0
7.	-33	2	0	27.	0.14168	3	0
8.	45	1	0	28.	0.312	2	0
9.	23	1	0	29.	273	3	0
10.	38	1	0	30.	0.625	3	0
11.	$\frac{59}{100}$	1	0	31.	$\frac{1}{2}$	3	0
12.	-34	1	0	32.	1.2	3	0
13.	0.8	1	0	33.	$9\frac{9}{14}$	2	0
14.	$\frac{97}{100}$	1	0	34.	1.7	3	0
15.	$5\frac{2}{5}$	2	0	35.	$1\frac{1}{9}$	3	0
16.	121	2	0	36.	36	2	0
17.	-7	2	0	37.	$2\frac{1}{3}$	3	0
18.	9	1	0	38.	$1\frac{22}{27}$	3	0
19.	$2\frac{1}{3}$	2	0	39.	$20\frac{1}{14}$	3	0
20.	$\frac{1}{8}$	2	0	40.	$2\frac{1}{9}$	2	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 8, Probe 33 Answer Key

Item No.	Answer	Correct	Incorrect	Item No.	Answer	Correct	Incorrect
1.	16	1	0	21.	34	3	0
2.	33	1	0	22.	$1\frac{1}{11}$	2	0
3.	-44	1	0	23.	4	2	0
4.	512	1	0	24.	11	3	0
5.	46	1	0	25.	1728	3	0
6.	44	1	0	26.	224	3	0
7.	-43	2	0	27.	0.13169	3	0
8.	20	1	0	28.	0.416	2	0
9.	27	1	0	29.	169	3	0
10.	47	1	0	30.	0.125	3	0
11.	$\frac{23}{100}$	1	0	31.	$\frac{1}{4}$	3	0
12.	-23	1	0	32.	0.6	3	0
13.	0.7	1	0	33.	$6\frac{4}{7}$	2	0
14.	$\frac{41}{100}$	1	0	34.	0.4	3	0
15.	$7\frac{2}{3}$	2	0	35.	$1\frac{7}{16}$	3	0
16.	169	2	0	36.	32	2	0
17.	15	2	0	37.	$12\frac{1}{4}$	3	0
18.	8	1	0	38.	$2\frac{2}{15}$	3	0
19.	$5\frac{3}{5}$	2	0	39.	$6\frac{3}{8}$	3	0
20.	$\frac{4}{15}$	2	0	40.	$1\frac{3}{8}$	2	0

Subtotal 1

Subtotal 2

TOTAL = Subtotal 1 + Subtotal 2