

Computational Fluency Progress-Monitoring System for K-6 Mathematics

Grade 6: Teacher





Note: These answer keys are used for both English and Spanish forms.

*Note: Not all possible answer choices

are represented in this key.

| 60 ÷ 1 | -88 + (-15) + (-22) | 15/5 ÷ 1/5 | 1.23 × 2.04 | 429 × 240 |
|------------------------------------|---------------------|-----------------|------------------------------------|--------------------|
| 60 | -125 | 15 | 2.5092 | 102,960 |
| $\frac{5}{4} \div \frac{8}{7}$ | -342 ÷ 18 | -15 × -9 | $1\frac{1}{4} \times 1\frac{1}{2}$ | -24 - (-8) - (-12) |
| $\frac{35}{32}$ or $1\frac{3}{32}$ | -19 | 135 | 15/8 or 17/8 | -4 |
| -12 ÷ -3 | 125 × -31 | -27 + 12 + (-7) | $\frac{1}{6} \times \frac{4}{6}$ | 3.7\91.76 |
| 4 | -3,875 | -22 | <u>1</u> 9 | 24.8 |

*Note:

Not all possible answer choices are represented in this key.

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|-----------------|------------------------------------|--------------------------------|-----------------------------------|----------------------------------|
| 39 + 11 + 5 | $2\frac{3}{6} \times 1\frac{4}{6}$ | $\frac{3}{4} \div \frac{1}{4}$ | <u>-854</u> 14 | $2\frac{3}{4}\times4\frac{2}{3}$ |
| 55 | $\frac{25}{6}$ or $4\frac{1}{6}$ | 3 | -61 | 77/6 or 12 5/6 |
| - <u>1</u> ÷ 40 | -54 × -29 | 17.2\218.44 | $\frac{24}{50} \div \frac{6}{25}$ | 8 – 15 |
| <u>1</u> 360 | 1,566 | 12.7 | 2 | -7 |
| 125 × -131 | 2.3 × 5.1 | -15 – 6 – (-7) | $\frac{7}{8} \times \frac{6}{7}$ | -275 ÷ -25 |
| -16,375 | 11.73 | -14 | 3/4 | 11 |

*Note: Not all possible answer choices

are represented in this key.

| 60 ÷ 5 | -77 + (-18) + (-33) | $\frac{18}{10} \div \frac{9}{10}$ | 2.14 × 3.02 | 746 × 230 |
|------------------------------------|---------------------|-----------------------------------|------------------------------------|-------------------|
| 12 | -128 | 2 | 6.4628 | 171,580 |
| $\frac{5}{4} \div \frac{11}{10}$ | -891 ÷ 81 | -16 × -7 | $1\frac{2}{5} \times 1\frac{3}{4}$ | -10 - (-8) - (-1) |
| $\frac{25}{22}$ or $1\frac{3}{22}$ | -11 | 112 | $\frac{49}{20}$ or $2\frac{9}{20}$ | -1 |
| -45 ÷ -9 | 108 × -21 | -19 + 14 + (-6) | $\frac{5}{10} \times \frac{7}{10}$ | 2.1\\[30.24 \] |
| 5 | -2,268 | -11 | 7 20 | 14.4 |

*Note: essible answer choice

Not all possible answer choices are represented in this key.

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|-----------------|-------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| 48 + 16 + 3 | $1\frac{2}{3}\times4\frac{1}{3}$ | $\frac{2}{5} \div \frac{1}{5}$ | <u>-936</u> 18 | $2\frac{1}{4} \times 3\frac{2}{3}$ |
| 67 | 65 or 7 ² / ₉ | 2 | -52 | $\frac{33}{4}$ or $8\frac{1}{4}$ |
| - <u>1</u> ÷ 70 | -63 × -38 | 11.2/175.84 | $\frac{20}{25} \div \frac{1}{10}$ | 9 – 22 |
| 1 210 | 2,394 | 15.7 | 8 | -13 |
| 108 × -141 | 3.4 × 5.2 | -23 - 2 - (-8) | $\frac{3}{10} \times \frac{4}{5}$ | -224 ÷ -14 |
| -15,228 | 17.68 | -17 | <u>6</u> <u>25</u> | 16 |

*Note:

Not all possible answer choices are represented in this key.

| 45 ÷ 9 | -62 + (-11) + (-47) | $\frac{20}{8} \div \frac{3}{8}$ | 1.63 × 2.01 | 871 × 260 |
|--------------------------------|---------------------|----------------------------------|------------------------------------|-------------------|
| 5 | -120 | $\frac{20}{3}$ or $6\frac{2}{3}$ | 3.2763 | 226,460 |
| $\frac{5}{3} \div \frac{3}{2}$ | -756 ÷ 42 | -13 × -4 | $1\frac{2}{7} \times 1\frac{3}{5}$ | -20 - (-8) - (-5) |
| 10/9 or 11/9 | -18 | 52 | $\frac{72}{35}$ or $2\frac{2}{35}$ | -7 |
| -54 ÷ -6 | 113 × -41 | -22 + 19 + (-4) | $\frac{3}{8} \times \frac{2}{8}$ | 2.7\32.67 |
| 9 | -4,633 | -7 | 3 32 | 12.1 |

*Note: Not all possible answer choices

are represented in this key.

| 55 + 13 + 9 | $1\frac{1}{4} \times 2\frac{1}{4}$ | $\frac{5}{8} \div \frac{1}{8}$ | <u>-990</u> 45 | $4\frac{1}{2} \times 5\frac{2}{3}$ |
|-----------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 77 | 45 or 2 13 16 | 5 | -22 | 25 1/2 |
| - <u>1</u> ÷ 60 | -84 × -21 | 25.6 622.08 | $\frac{10}{30} \div \frac{1}{8}$ | 4 - 13 |
| 1 480 | 1,764 | 24.3 | $\frac{8}{3}$ or $2\frac{2}{3}$ | -9 |
| 115 × -131 | 1.9 × 7.3 | -17 - 3 - (-8) | $\frac{6}{9} \times \frac{1}{3}$ | -408 ÷ -17 |
| -15,065 | 13.87 | -12 | <u>2</u> 9 | 24 |

*Note:

Not all possible answer choices are represented in this key.

| 48 ÷ 6 | -81 + (-19) + (-45) | $\frac{7}{6} \div \frac{1}{6}$ | 1.14 × 6.02 | 562 × 230 |
|---------------------------------|---------------------|--------------------------------|------------------------------------|--------------------|
| 8 | -145 | 7 | 6.8628 | 129,260 |
| $\frac{9}{3} \div \frac{8}{4}$ | -561 ÷ 51 | -18 × -2 | $1\frac{1}{4} \times 1\frac{2}{3}$ | -24 - (-8) - (-11) |
| $\frac{3}{2}$ or $1\frac{1}{2}$ | -11 | 36 | $\frac{25}{12}$ or $2\frac{1}{12}$ | -5 |
| -81 ÷ -9 | 148 × -31 | -21 + 17 + (-6) | $\frac{1}{6} \times \frac{3}{6}$ | 2.5\35.50 |
| 9 | -4,588 | -10 | 1 12 | 14.2 |

*Note: ssible answer choice

Not all possible answer choices are represented in this key.

| 1 1 | , , | | T | |
|--------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 36 + 17 + 2 | $3\frac{1}{6} \times 1\frac{5}{6}$ | $\frac{2}{3} \div \frac{1}{3}$ | <u>-459</u> 27 | $3\frac{3}{5} \times 2\frac{5}{6}$ |
| 55 | 209 or 5 29 36 | 2 | -17 | $\frac{51}{5}$ or $10\frac{1}{5}$ |
| 1/6 ÷ 50 | -54 × -26 | 34.8\776.04 | $\frac{24}{40} \div \frac{1}{8}$ | 2 – 11 |
| 1 300 | 1,404 | 22.3 | $\frac{24}{5}$ or $4\frac{4}{5}$ | -9 |
| 105 × -148 | 4.6 × 8.7 | -14 – 2 – (-5) | 1/5 × 5/7 | -384 ÷ -24 |
| -15,540 | 40.02 | -11 | 1 7 | 16 |

*Note: Not all possible answer choices

are represented in this key.

| 28 ÷ 7 | -96 + (-16) + (-31) | $\frac{20}{8} \div \frac{5}{8}$ | 1.54 × 2.01 | 473 × 310 |
|--------------------------------|---------------------|---------------------------------|----------------------------------|--------------------|
| 4 | -143 | 4 | 3.0954 | 146,630 |
| $\frac{5}{2} \div \frac{6}{3}$ | -504 ÷ 42 | -12 × -5 | $1\frac{1}{2}\times1\frac{4}{5}$ | -22 - (-1) - (-12) |
| 5/4 or 11/4 | -12 | 60 | 27 or 2 7 10 | -9 |
| -64 ÷ -8 | 137 × -21 | -24 + 14 + (-6) | $\frac{5}{8} \times \frac{2}{8}$ | 3.3)77.22 |
| 8 | -2,877 | -16 | <u>5</u> 32 | 23.4 |

*Note:

Not all possible answer choices are represented in this key.

| 83 + 16 + 2 | $1\frac{1}{5} \times 5\frac{3}{5}$ | $\frac{4}{5} \div \frac{2}{5}$ | <u>-374</u> 34 | $2\frac{3}{5} \times 4\frac{2}{7}$ |
|-----------------|------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| 101 | 168 or 6 18 25 | 2 | -11 | 78 or 11 1/7 |
| - <u>1</u> ÷ 20 | -73 × -34 | 46.1)516.32 | $\frac{18}{30} \div \frac{5}{12}$ | 9 – 20 |
| 1 140 | 2,482 | 11.2 | 36/25 or 11/25 | -11 |
| 116 × -124 | 1.7 × 9.3 | -12 - 3 - (-6) | $\frac{7}{10} \times \frac{2}{5}$ | -345 ÷ -23 |
| -14,384 | 15.81 | -9 | 7 25 | 15 |

*Note: Not all possible answer choices are represented in this key.

| 56 ÷ 8 | -75 + (-16) + (-41) | $\frac{21}{3} \div \frac{1}{3}$ | 1.13 × 4.01 | 364 × 280 |
|----------------------------------|---------------------|---------------------------------|------------------------------------|--------------------|
| 7 | -132 | 21 | 4.5313 | 101,920 |
| $\frac{18}{5} \div \frac{3}{2}$ | -782 ÷ 46 | -13 × -7 | $1\frac{4}{9} \times 1\frac{2}{5}$ | -20 - (-9) - (-10) |
| $\frac{12}{5}$ or $2\frac{2}{5}$ | -17 | 91 | $\frac{91}{45}$ or $2\frac{1}{45}$ | -1 |
| -28 ÷ -7 | 129 × -21 | -18 + 11 + (-4) | $\frac{5}{10} \times \frac{3}{10}$ | 4.2)65.52 |
| 4 | -2,709 | -11 | 3 20 | 15.6 |

*Note:

Not all possible answer choices are represented in this key.

| 72 + 12 + 9 | $1\frac{2}{7} \times 3\frac{4}{7}$ | $\frac{4}{9} \div \frac{1}{9}$ | <u>-672</u> 42 | $3\frac{1}{9} \times 4\frac{5}{6}$ |
|-----------------|------------------------------------|--------------------------------|----------------------------------|--------------------------------------|
| 93 | 225 or 429 d9 | 4 | -16 | $\frac{406}{27}$ or $15\frac{1}{27}$ |
| - <u>1</u> ÷ 30 | -62 × -47 | 57.2\703.56 | $\frac{25}{45} \div \frac{1}{3}$ | 3 – 12 |
| 1 240 | 2,914 | 12.3 | $\frac{5}{3}$ or $1\frac{2}{3}$ | -9 |
| 126 × -134 | 3.8 × 6.2 | -13 – 4 – (-7) | $\frac{2}{7} \times \frac{3}{6}$ | -418 ÷ -22 |
| -16,884 | 23.56 | -10 | <u>1</u> 7 | 19 |

*Note: Not all possible answer choices

are represented in this key.

an X over it and move to the next problem.

| 63 ÷ 9 | -68 + (-19) + (-27) | $\frac{12}{7} \div \frac{2}{7}$ | 1.12 × 3.06 | 445 × 360 |
|---------------------------------|---------------------|---------------------------------|------------------------------------|--|
| 7 | -114 | 6 | 3.4272 | 160,200 |
| $\frac{10}{3} \div \frac{7}{5}$ | -396 ÷ 36 | -14 × -4 | $1\frac{2}{3} \times 1\frac{1}{6}$ | -18 - (-2) - (-1) |
| 50 or 2 8 21 | -11 | 56 | 35 or 1 17 18 | -15 |
| -36 ÷ -6 | 128 × -31 | -10 + 15 + (-9) | $\frac{5}{6} \times \frac{2}{6}$ | 5.1\\(\begin{align*} 62.73 \end{align*} |
| 6 | -3,968 | -4 | <u>5</u> 18 | 12.3 |

*Note: Not all possible answer choices

are represented in this key.

| 41 + 19 + 2 | $2\frac{1}{3}\times1\frac{2}{3}$ | $\frac{2}{4} \div \frac{1}{4}$ | <u>-288</u> 16 | $4\frac{2}{9} \times 2\frac{3}{4}$ |
|---------------------|---|--------------------------------|----------------------------------|------------------------------------|
| 62 | $\frac{35}{9} \text{ or } 3\frac{8}{9}$ | 2 | -18 | 209 or 11 11 18 |
| - 1 ÷ 80 | -82 × -39 | 68.4)827.64 | $\frac{20}{35} \div \frac{2}{7}$ | 8 – 14 |
| 1 240 | 3,198 | 12.1 | 2 | -6 |
| 123 × -125 | 5.5 × 8.3 | -11 - 5 - (-2) | $\frac{3}{4} \times \frac{2}{8}$ | -252 ÷ -21 |
| -15,375 | 45.65 | -14 | 3 16 | 12 |

*Note:

Not all possible answer choices are represented in this key.

| 98 ÷ 7 | -92 + (-11) + (-33) | $\frac{20}{4} \div \frac{1}{4}$ | 2.32 × 4.01 | 463 × 230 |
|--------------------------------|---------------------|---------------------------------|------------------------------------|-------------------|
| 14 | -136 | 20 | 9.3032 | 106,490 |
| $\frac{6}{2} \div \frac{8}{6}$ | -896 ÷ 64 | -15 × -6 | $1\frac{2}{9} \times 1\frac{3}{4}$ | -16 - (-8) - (-4) |
| 9/4 or 2 1/4 | -14 | 90 | $\frac{77}{36}$ or $2\frac{5}{36}$ | -4 |
| -42 ÷ -7 | 147 × -21 | -11 + 14 + (-7) | $\frac{7}{10} \times \frac{2}{10}$ | 6.4)90.24 |
| 6 | -3,087 | -4 | 7 50 | 14.1 |

*Note:

Not all possible answer choices are represented in this key.

| 26 + 18 + 3 | $4\frac{3}{4} \times 1\frac{1}{4}$ | 4/5 ÷ 2/5 | <u>-550</u> 25 | $5\frac{2}{3} \times 2\frac{4}{7}$ |
|-------------|------------------------------------|----------------|----------------------------------|------------------------------------|
| 47 | 95 or 5 15 16 | 2 | -22 | 14 4 7 |
| 1/4 ÷ 70 | -91 × -28 | 29.3\814.54 | $\frac{15}{24} \div \frac{3}{8}$ | 4 – 16 |
| 1 208 | 2,548 | 27.8 | $\frac{5}{3}$ or $1\frac{2}{3}$ | -12 |
| 132 × -137 | 2.9 × 7.6 | -24 - 7 - (-3) | $\frac{3}{5} \times \frac{5}{6}$ | -285 ÷ -19 |
| -18,084 | 22.04 | -28 | 1/2 | 15 |

*Note: Not all possible answer choices are represented in this key.

| Complete the problems : | Trorder. Simplify fractions | | | |
|----------------------------------|-----------------------------|---------------------------------|------------------------------------|-------------------|
| 55 ÷ 11 | -52 + (-19) + (-47) | $\frac{12}{9} \div \frac{2}{9}$ | 2.17 × 3.01 | 632 × 240 |
| 5 | -118 | 6 | 6.5317 | 151,680 |
| $\frac{8}{2} \div \frac{7}{3}$ | -299 ÷ 23 | -17 × -8 | $1\frac{4}{9} \times 1\frac{3}{4}$ | -14 - (-3) - (-6) |
| $\frac{12}{7}$ or $1\frac{5}{7}$ | -13 | 136 | 91/36 or 2 19/36 | -5 |
| -25 ÷ -5 | 139 × -31 | -13 + 17 + (-2) | $\frac{3}{9} \times \frac{1}{9}$ | 7.2\79.92 |
| 5 | -4,309 | 2 | 1 27 | 11.1 |

Complete the problems in order. Simplify fractions to their most common form.

*Note: Not all possible answer choices

are represented in this key.

Write the answer for each problem. If you don't know how to work the problem, put an X over it and move to the next problem.

| ' ' | 1 3 | | · | I |
|-----------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 64 + 11 + 9 | $1\frac{3}{7} \times 2\frac{5}{7}$ | $\frac{2}{6} \div \frac{1}{6}$ | <u>-960</u> 48 | $2\frac{4}{7} \times 5\frac{3}{4}$ |
| 84 | 190 or 3 43 49 | 2 | -20 | 14 11 14 |
| - <u>1</u> ÷ 50 | -53 × -36 | 31.2)698.88 | $\frac{21}{36} \div \frac{1}{4}$ | 7 – 10 |
| 1 450 | 1,908 | 22.4 | $\frac{7}{3}$ or $2\frac{1}{3}$ | -3 |
| 103 × -128 | 6.2 × 7.1 | -23 - 6 - (-4) | $\frac{6}{7} \times \frac{1}{4}$ | -378 ÷ -18 |
| -13,184 | 44.02 | -25 | <u>3</u> 14 | 21 |

*Note: Not all possible answer choices

are represented in this key.

| 72 ÷ 12 | -99 + (-12) + (-46) | $\frac{8}{5} \div \frac{4}{5}$ | 1.12 × 4.09 | 396 × 260 |
|---------------------------------|---------------------|--------------------------------|------------------------------------|-------------------|
| 6 | -157 | 2 | 4.5808 | 102,960 |
| $\frac{4}{2} \div \frac{5}{3}$ | -792 ÷ 72 | -16 × -4 | $1\frac{3}{8} \times 1\frac{2}{3}$ | -12 - (-4) - (-5) |
| $\frac{6}{5}$ or $1\frac{1}{5}$ | -11 | 64 | $\frac{55}{24}$ or $2\frac{7}{24}$ | -3 |
| -15 ÷ -3 | 118 × -31 | -15 + 17 + (-3) | $\frac{3}{9} \times \frac{7}{9}$ | 2.6\92.30 |
| 5 | -3,658 | -1 | 7 27 | 35.5 |

*Note: Not all possible answer choices

are represented in this key.
t an X over it and move to the next problem.

| | ' ' | | | |
|-------------|------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| 91 + 11 + 9 | $3\frac{1}{5} \times 1\frac{2}{5}$ | $\frac{3}{5} \div \frac{1}{5}$ | <u>-512</u> 32 | $4\frac{1}{8} \times 5\frac{7}{9}$ |
| 111 | 112 or 4 12 25 | 3 | -16 | $\frac{143}{6}$ or $23\frac{5}{6}$ |
| 1/5 ÷ 70 | -66 × -41 | 42.4)585.12 | $\frac{15}{32} \div \frac{3}{8}$ | 5 – 15 |
| 1 350 | 2,706 | 13.8 | 5/4 or 11/4 | -10 |
| 125 × -126 | 4.7 × 6.5 | -22 - 13 - (-9) | $\frac{9}{10} \times \frac{2}{3}$ | -304 ÷ -16 |
| -15,750 | 30.55 | -26 | <u>3</u> <u>5</u> | 19 |

*Note: Not all possible answer choices

are represented in this key.

| 80 ÷ 5 | -59 + (-14) + (-21) | $\frac{16}{2} \div \frac{1}{2}$ | 2.41 × 3.01 | 545 × 270 |
|---------------------------------|---------------------|---------------------------------|------------------------------------|--------------------|
| 16 | -94 | 16 | 7.2541 | 147,150 |
| $\frac{12}{3} \div \frac{3}{2}$ | -972 ÷ 54 | -18 × -9 | $1\frac{5}{8} \times 1\frac{1}{4}$ | -10 - (-5) - (-11) |
| $\frac{8}{3}$ or $2\frac{2}{3}$ | -18 | 162 | $\frac{65}{32}$ or $2\frac{1}{32}$ | 6 |
| -30 ÷ -6 | 146 × -21 | -27 + 19 + (-3) | $\frac{1}{8} \times \frac{4}{8}$ | 3.2\85.44 |
| 5 | -3,066 | -11 | 1 16 | 26.7 |

*Note: Not all possible answer choices

are represented in this key.

| 57 + 16 + 6 | $3\frac{4}{5} \times 1\frac{1}{5}$ | $\frac{3}{6} \div \frac{1}{6}$ | <u>-234</u> 18 | $2\frac{5}{6} \times 5\frac{1}{9}$ |
|-------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 79 | 114 or 4 14 25 | 3 | -13 | 14 13 27 |
| -1/6 ÷ 70 | -94 × -42 | 55.7)685.11 | 16/20 ÷ 7/15 | 6 – 22 |
| 1 420 | 3,948 | 12.3 | $\frac{12}{7}$ or $1\frac{5}{7}$ | -16 |
| 124 × -132 | 3.6 × 8.8 | -21 - 14 - (-8) | $\frac{2}{5} \times \frac{5}{6}$ | -345 ÷ -15 |
| -16,368 | 31.68 | -27 | 1/3 | 23 |

*Note:

Not all possible answer choices are represented in this key.

| 44 ÷ 4 | -82 + (-11) + (-41) | 15/6 ÷ 5/6 | 1.71 × 2.01 | 567 × 230 |
|---------------|---------------------|-----------------|------------------------------------|-------------------|
| 11 | -134 | 3 | 3.4371 | 130,410 |
| 7/4 ÷ 6/5 | -952 ÷ 68 | -19 × -2 | $1\frac{7}{9} \times 1\frac{2}{5}$ | -20 - (-6) - (-7) |
| 35 or 1 11 24 | -14 | 38 | 112/45 or 2 ²² /45 | -7 |
| -18 ÷ -3 | 145 × -21 | -20 + 17 + (-9) | $\frac{2}{9} \times \frac{6}{9}$ | 4.7)73.32 |
| 6 | -3,045 | -12 | <u>4</u> <u>27</u> | 15.6 |

*Note:

Not all possible answer choices are represented in this key.

| 21 + 11 + 9 | $1\frac{3}{8} \times 2\frac{5}{8}$ | $\frac{4}{6} \div \frac{2}{6}$ | <u>-360</u> 24 | $5\frac{7}{10} \times 3\frac{3}{5}$ |
|-----------------|------------------------------------|--------------------------------|----------------------------------|-------------------------------------|
| 41 | 231 or 3 39 64 | 2 | -15 | 20 13 25 |
| - <u>1</u> ÷ 20 | -88 × -21 | 62.5\743.75 | 13 ÷ 3 15 ÷ 5 | 1 – 19 |
| 1 180 | 1,848 | 11.9 | $\frac{13}{9}$ or $1\frac{4}{9}$ | -18 |
| 116 × -123 | 4.5 × 5.1 | -20 – 16 – (-2) | $\frac{2}{3} \times \frac{5}{6}$ | -221 ÷ -13 |
| -14,268 | 22.95 | -34 | <u>5</u> | 17 |

*Note: Not all possible answer choices

are represented in this key.

| 36 ÷ 3 | -72 + (-19) + (-48) | $\frac{9}{8} \div \frac{3}{8}$ | 2.13 × 3.04 | 546 × 270 |
|---|---------------------|--------------------------------|------------------------------------|-------------------|
| 12 | -139 | 3 | 6.4752 | 147,420 |
| $\frac{11}{3} \div \frac{12}{9}$ | -888 ÷ 74 | -18 × -3 | $1\frac{1}{3} \times 1\frac{6}{7}$ | -14 - (-8) - (-2) |
| $\frac{11}{4} \text{ or } 2\frac{3}{4}$ | -12 | 54 | 52 or 2 10 21 | -4 |
| -21 ÷ -7 | 149 × -31 | -21 + 18 + (-9) | $\frac{5}{10} \times \frac{9}{10}$ | 5.2\92.56 |
| 3 | -4,619 | -12 | 9 20 | 17.8 |

*Note:

Not all possible answer choices are represented in this key.

| 61 + 17 + 8 | $3\frac{6}{7} \times 1\frac{1}{7}$ | $\frac{4}{6} \div \frac{1}{6}$ | <u>-432</u> 36 | $4\frac{2}{7}\times 3\frac{3}{5}$ |
|-----------------|------------------------------------|--------------------------------|----------------------------------|-----------------------------------|
| 86 | 216 or 420 49 | 4 | -12 | 15 3 7 |
| - <u>1</u> ÷ 90 | -92 × -31 | 32.3\746.13 | $\frac{10}{21} \div \frac{2}{7}$ | 2 – 13 |
| 1 540 | 2,852 | 23.1 | $\frac{5}{3}$ or $1\frac{2}{3}$ | -11 |
| 104 × -117 | 7.8 × 8.2 | -19 – 12 – (-4) | $\frac{3}{7} \times \frac{5}{9}$ | -204 ÷ -12 |
| -12,168 | 63.96 | -27 | <u>5</u> 21 | 17 |

*Note: Not all possible answer choices

are represented in this key.

| 92 ÷ 2 | -78 + (-19) + (-43) | $\frac{6}{3} \div \frac{2}{3}$ | 1.13 × 3.05 | 637 × 240 |
|----------------------------------|---------------------|--------------------------------|-------------------------------------|-------------------|
| 46 | -140 | 3 | 3.4465 | 152,880 |
| $\frac{6}{3} \div \frac{7}{6}$ | -546 ÷ 39 | -17 × -4 | $1\frac{1}{4} \times 1\frac{1}{8}$ | -11 - (-7) - (-8) |
| $\frac{12}{7}$ or $1\frac{5}{7}$ | -14 | 68 | $\frac{45}{32}$ or $1\frac{13}{32}$ | 4 |
| -20 ÷ -4 | 138 × -21 | -22 + 19 + (-8) | $\frac{5}{6} \times \frac{3}{6}$ | 3.4\87.04 |
| 5 | -2,898 | -11 | <u>5</u> 12 | 25.6 |

*Note:

Not all possible answer choices are represented in this key.

| · | ' ' | | | |
|-------------|------------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 72 + 19 + 2 | $2\frac{4}{7} \times 1\frac{3}{7}$ | $\frac{5}{6} \div \frac{1}{6}$ | <u>-572</u> 44 | $2\frac{6}{7} \times 4\frac{1}{8}$ |
| 93 | 180 or 3 33 49 | 5 | -13 | 11 11 14 |
| 1/5 ÷ 30 | -73 × -39 | 44.4\\ 563.88 | $\frac{21}{40} \div \frac{2}{5}$ | 9 – 17 |
| 1 150 | 2,847 | 12.7 | $\frac{21}{16}$ or $1\frac{5}{16}$ | -8 |
| 117 × -146 | 6.9 × 7.2 | -18 – 17 – (-6) | $\frac{3}{8} \times \frac{2}{3}$ | -286 ÷ -11 |
| -17,082 | 49.68 | -29 | 1/4 | 26 |

*Note: Not all possible answer choices

are represented in this key.

| 72 ÷ 6 | -94 + (-17) + (-26) | $\frac{8}{7} \div \frac{4}{7}$ | 2.34 × 3.02 | 486 × 240 |
|----------------------------------|---------------------|--------------------------------|------------------------------------|-------------------|
| 12 | -137 | 2 | 7.0668 | 116,640 |
| $\frac{10}{2} \div \frac{9}{5}$ | -799 ÷ 47 | -16 × -5 | $1\frac{2}{9} \times 1\frac{7}{8}$ | -13 - (-9) - (-9) |
| $\frac{25}{9}$ or $2\frac{7}{9}$ | -17 | 80 | $\frac{55}{24}$ or $2\frac{7}{24}$ | 5 |
| -63 ÷ -7 | 143 × -31 | -29 + 11 + (-9) | $\frac{2}{4} \times \frac{1}{4}$ | 4.5\\ 55.35 |
| 9 | -4,433 | -27 | 1 8 | 12.3 |

*Note: ssible answer choices

Not all possible answer choices are represented in this key.

| 1 1 | 1 7 | | | |
|-----------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 49 + 13 + 7 | $4\frac{2}{5} \times 1\frac{3}{5}$ | $\frac{4}{7} \div \frac{2}{7}$ | <u>-288</u> 12 | $4\frac{3}{8} \times 3\frac{1}{3}$ |
| 69 | 176 or 7 1 25 | 2 | -24 | 14 7/12 |
| - <u>1</u> ÷ 40 | -52 × -29 | 51.5\633.45 | $\frac{17}{20} \div \frac{1}{4}$ | 3 – 18 |
| 1 320 | 1,508 | 12.3 | $\frac{17}{5}$ or $3\frac{2}{5}$ | -15 |
| 123 × -146 | 2.7 × 6.3 | -17 - 10 - (-8) | $\frac{3}{5} \times \frac{1}{6}$ | -325 ÷ -13 |
| -17,958 | 17.01 | -19 | 1 10 | 25 |

*Note:

Not all possible answer choices are represented in this key.

| 49 ÷ 7 | -96 + (-16) + (-24) | $\frac{15}{4} \div \frac{3}{4}$ | 1.12 × 3.05 | 536 × 270 |
|---------------------------------|---------------------|---------------------------------|------------------------------------|-------------------|
| 7 | -136 | 5 | 3.416 | 144,720 |
| $\frac{12}{4} \div \frac{4}{2}$ | -944 ÷ 59 | -15 × -5 | $1\frac{4}{9} \times 1\frac{3}{8}$ | -15 - (-2) - (-3) |
| 3 or 11/2 | -16 | 75 | 143 or 1 71 72 | -10 |
| -32 ÷ -4 | 129 × -31 | -12 + 19 + (-2) | $\frac{6}{10} \times \frac{3}{10}$ | 5.3\77.91 |
| 8 | -3,999 | 5 | 9 50 | 14.7 |

*Note: Not all possible answer choices

are represented in this key.

| | ' ' | | | |
|-----------------|------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| 93 + 17 + 5 | $1\frac{2}{9} \times 4\frac{7}{9}$ | $\frac{4}{7} \div \frac{1}{7}$ | <u>-448</u> 28 | $3\frac{5}{6} \times 5\frac{2}{5}$ |
| 115 | 473 or 5 68 81 | 4 | -16 | 20 7 10 |
| - <u>1</u> ÷ 60 | -64 × -24 | 12.9\415.38 | $\frac{13}{15} \div \frac{1}{5}$ | 8 – 21 |
| 1 420 | 1,536 | 32.2 | $\frac{13}{3}$ or $4\frac{1}{3}$ | -13 |
| 126 × -138 | 4.1 × 6.2 | -16 – 11 – (-1) | $\frac{4}{7} \times \frac{5}{6}$ | -315 ÷ -15 |
| -17,388 | 25.42 | -26 | 10 21 | 21 |

*Note:

Not all possible answer choices are represented in this key.

| 96 ÷ 8 | -99 + (-11) + (-22) | $\frac{10}{9} \div \frac{5}{9}$ | 1.31 × 9.01 | 374 × 270 |
|--------------------------------|---------------------|---------------------------------|------------------------------------|-------------------|
| 12 | -132 | 2 | 11.8031 | 100,980 |
| $\frac{5}{3} \div \frac{6}{5}$ | -364 ÷ 28 | -14 × -7 | $1\frac{5}{8} \times 1\frac{3}{4}$ | -17 - (-3) - (-4) |
| 25 or 1 7 18 | -13 | 98 | 91 or 2 27 32 | -10 |
| -16 ÷ -8 | 117 × -21 | -14 + 12 + (-9) | $\frac{2}{8} \times \frac{7}{8}$ | 6.6)91.74 |
| 2 | -2,457 | -11 | 7 32 | 13.9 |

*Note:

Not all possible answer choices are represented in this key.

| 86 + 12 + 7 | $5\frac{1}{4}\times1\frac{3}{4}$ | $\frac{3}{7} \div \frac{1}{7}$ | <u>-552</u> 24 | $4\frac{1}{6} \times 3\frac{7}{10}$ |
|-----------------|----------------------------------|--------------------------------|------------------------------------|-------------------------------------|
| 105 | 147 or 9 3 16 | 3 | -23 | 15 5 12 |
| - <u>1</u> ÷ 80 | -93 × -47 | 24.8)987.04 | $\frac{23}{25} \div \frac{3}{10}$ | 4 - 23 |
| <u>1</u> 560 | 4,371 | 39.8 | $\frac{46}{15}$ or $3\frac{1}{15}$ | -19 |
| 127 × -136 | 1.4 × 9.7 | -15 – 3 – (-3) | $\frac{2}{3} \times \frac{7}{10}$ | -306 ÷ -17 |
| -17,272 | 13.58 | -15 | 7 15 | 18 |

*Note: Not all possible answer choices

are represented in this key.

| 72 ÷ 9 | -51 + (-18) + (-29) | $\frac{12}{5} \div \frac{4}{5}$ | 1.32 × 4.01 | 365 × 320 |
|---------------------------------|---------------------|---------------------------------|------------------------------------|--------------------|
| 8 | -98 | 3 | 5.2932 | 116,800 |
| $\frac{10}{4} \div \frac{5}{4}$ | -627 ÷ 33 | -13 × -8 | $1\frac{2}{3}\times1\frac{6}{7}$ | -19 - (-5) - (-12) |
| 2 | -19 | 104 | $\frac{65}{21}$ or $3\frac{2}{21}$ | -2 |
| -49 ÷ -7 | 136 × -21 | -17 + 18 + (-4) | $\frac{3}{10} \times \frac{5}{10}$ | 7.1)79.52 |
| 7 | -2,856 | -3 | 3 20 | 11.2 |

*Note: Not all possible answer choices

are represented in this key.

| | ' ' | | | |
|-------------|--------------------------------------|--------------------------------|-----------------------------------|--------------------------------------|
| 45 + 17 + 4 | $4\frac{5}{6} \times 1\frac{1}{6}$ | $\frac{3}{8} \div \frac{1}{8}$ | <u>-648</u> 36 | $2\frac{3}{8} \times 5\frac{3}{5}$ |
| 66 | $\frac{203}{36}$ or $5\frac{23}{36}$ | 3 | -18 | $\frac{133}{10}$ or $13\frac{3}{10}$ |
| 1/3 ÷ 50 | -73 × -34 | 26.6 643.72 | $\frac{9}{15} \div \frac{3}{20}$ | 7 – 24 |
| 1 150 | 2,482 | 24.2 | 4 | -17 |
| 134 × -137 | 4.2 × 4.9 | -16 – 4 – (-5) | $\frac{7}{10} \times \frac{8}{9}$ | -380 ÷ -19 |
| -18,358 | 20.58 | -15 | 28 45 | 20 |

*Note:

Not all possible answer choices are represented in this key.

| 48 ÷ 4 | -87 + (-14) + (-33) | $\frac{5}{2} \div \frac{1}{2}$ | 1.41 × 5.02 | 593 × 290 |
|----------------------------------|---------------------|--------------------------------|------------------------------------|-------------------|
| 12 | -134 | 5 | 7.0782 | 171,970 |
| $\frac{8}{3} \div \frac{12}{10}$ | -966 ÷ 69 | -12 × -9 | $1\frac{2}{7} \times 1\frac{7}{8}$ | -21 - (-6) - (-3) |
| $\frac{20}{9}$ or $2\frac{2}{9}$ | -14 | 108 | 135/56 or 2 23/56 | -12 |
| -40 ÷ -5 | 127 × -31 | -21 + 18 + (-3) | $\frac{3}{10} \times \frac{4}{10}$ | 8.2)93.48 |
| 8 | -3,937 | -6 | <u>3</u> <u>25</u> | 11.4 |

*Note:

Not all possible answer choices are represented in this key.

| | ' ' | | | |
|-----------------|------------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 71 + 19 + 6 | $5\frac{1}{6} \times 1\frac{5}{6}$ | $\frac{7}{8} \div \frac{1}{8}$ | <u>-960</u> 40 | $3\frac{5}{6} \times 4\frac{7}{8}$ |
| 96 | 9 17 36 | 7 | -24 | 299 or 18 11 16 |
| - <u>1</u> ÷ 90 | -62 × -48 | 14.7 438.06 | $\frac{13}{20} \div \frac{1}{2}$ | 5 – 12 |
| 1 180 | 2,976 | 29.8 | $\frac{13}{10}$ or $1\frac{3}{10}$ | -7 |
| 106 × -128 | 6.6 × 8.4 | -12 - 5 - (-7) | $\frac{8}{9} \times \frac{5}{6}$ | -294 ÷ -21 |
| -13,568 | 55.44 | -10 | 20 27 | 14 |

*Note:

Not all possible answer choices are represented in this key.

| 75 ÷ 5 | -66 + (-17) + (-49) | $\frac{9}{6} \div \frac{1}{6}$ | 1.03 × 3.53 | 628 × 240 |
|---------------------------------|---------------------|--------------------------------|------------------------------------|-------------------|
| 15 | -132 | 9 | 3.6359 | 150,720 |
| $\frac{7}{2} \div \frac{3}{2}$ | -486 ÷ 27 | -17 × -6 | $1\frac{4}{5} \times 1\frac{4}{7}$ | -23 - (-8) - (-1) |
| $\frac{7}{3}$ or $2\frac{1}{3}$ | -18 | 102 | 99/35 or 2 29/35 | -14 |
| -56 ÷ -7 | 143 × -21 | -19 + 11 + (-7) | $\frac{4}{8} \times \frac{3}{8}$ | 7.2\87.12 |
| 8 | -3,003 | -15 | <u>3</u> 16 | 12.1 |

*Note: Not all possible answer choices

| complete the problems i | Trorder. Simplify fractions | | | |
|-------------------------|------------------------------------|----------------|-----------------------------------|------------------------------------|
| 56 + 13 + 4 | $2\frac{3}{4} \times 1\frac{1}{4}$ | 7/9 ÷ 1/9 | <u>-525</u> 35 | $5\frac{3}{5} \times 4\frac{1}{2}$ |
| 73 | $\frac{55}{16}$ or $3\frac{7}{16}$ | 7 | -15 | 126 or 25 1/5 |
| 1/7 ÷ 30 | -84 × -26 | 41.6)474.24 | $\frac{10}{50} \div \frac{1}{25}$ | 6 – 11 |
| 1 210 | 2,184 | 11.4 | 5 | -5 |
| 132 × -142 | 7.6 × 9.1 | -14 - 6 - (-9) | $\frac{7}{9} \times \frac{3}{5}$ | -483 ÷ -23 |
| -18,744 | 69.16 | -11 | 7 15 | 21 |