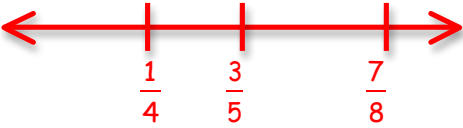


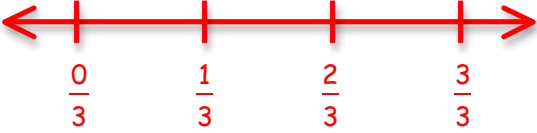



SKILL BOOSTERS: FRACTION CONCEPTS WEEK 1

Answer Key

Some models below may vary. Here is one possible answer.

DAY 1	DAY 2
<p>A. Write 3 divided by 12 in three different ways.</p> <p style="color: red;">$\frac{3}{12}$ $12 \overline{)3}$ $3 \div 12$</p> <p>B. Draw $\frac{2}{5}$ using a set model.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="width: 20px; height: 20px; background-color: red; border: 1px solid red; margin: 2px;"></div> <div style="width: 20px; height: 20px; background-color: red; border: 1px solid red; margin: 2px;"></div> <div style="width: 20px; height: 20px; border: 1px solid red; margin: 2px;"></div> <div style="width: 20px; height: 20px; border: 1px solid red; margin: 2px;"></div> <div style="width: 20px; height: 20px; border: 1px solid red; margin: 2px;"></div> </div> <p>C. Compute:</p> <p>a. 23 (1,000) 23,000</p> <p>b. $500 + 56 - 78$ 478</p> <p>D. Place $\frac{1}{4}$, $\frac{3}{5}$ and $\frac{7}{8}$ on a number line. Explain your strategies.</p> <div style="text-align: center; margin-top: 10px;">  </div>	<p>A. Write 2 divided by 8 in three different ways.</p> <p style="color: red;">$\frac{2}{8}$ $8 \overline{)2}$ $2 \div 8$</p> <p>B. Draw $\frac{3}{4}$ using an area model.</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>C. Compute:</p> <p>a. 431 (100) 43,100</p> <p>b. $72 - (6 + 7)$ 59</p> <p>D. Place $\frac{1}{3}$, $\frac{4}{5}$, and $\frac{4}{7}$ on a number line. Explain your strategies.</p> <div style="text-align: center; margin-top: 10px;">  </div>

DAY 3	DAY 4
<p>A. Write $\frac{5}{6}$ in three different ways.</p> <p style="color: red;">5 divided by 6 $6 \overline{)5}$ $5 \div 6$</p> <p>B. Draw $\frac{1}{3}$ using a linear model.</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>C. Compute:</p> <p>a. 52 (10) 520</p> <p>b. $300 + 42 - 17$</p>	<p>A. Write $\frac{4}{5}$ in three different ways.</p> <p style="color: red;">4 divided by 5 $5 \overline{)4}$ $4 \div 5$</p> <p>B. Draw $\frac{5}{8}$ using a model of your choice. (area, set or linear)</p> <div style="text-align: center; margin-top: 10px;">  </div> <p>C. Compute:</p> <p>a. 676 (1,000) 676,000</p> <p>b. $450 - 46 + 4$</p>

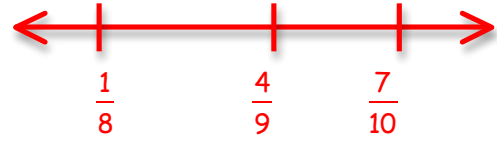
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- D. Place $\frac{2}{4}$, $\frac{2}{8}$, and $\frac{2}{10}$ on a number line.
Explain your strategies.



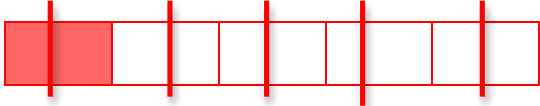
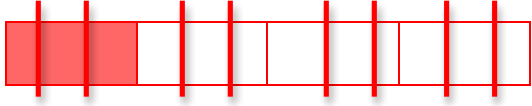
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- D. Place $\frac{1}{8}$, $\frac{4}{9}$, and $\frac{7}{10}$ on a number line.
Explain your strategies.



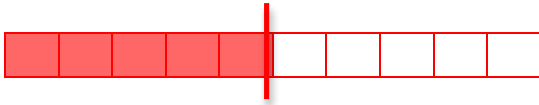
SKILL BOOSTERS: FRACTION CONCEPTS WEEK 2

Answer Key

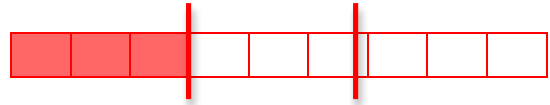
DAY 1	DAY 2
<p>A. a. List the factors of 18. 1, 2, 3, 6, 9, 18</p> <p>b. Compute: 48(12) 576</p> <p>B. Use the Big 1 to find n: $\frac{3}{5} = \frac{n}{15}$ $\frac{3}{5} \cdot \frac{3}{3} = \frac{9}{15}$ n = 9</p> <p>C. Write $2\frac{1}{5}$ as a sum. 2 + $\frac{1}{5}$</p> <p>D. Show: $\frac{1}{5} = \frac{2}{10}$. Explain your thinking. </p>	<p>A. a. List the factors of 24. 1, 2, 3, 4, 6, 8, 12, 24</p> <p>b. Compute: 25(21) 525</p> <p>B. Use the Big 1 to find n: $\frac{3}{4} = \frac{n}{16}$ $\frac{3}{4} \cdot \frac{4}{4} = \frac{12}{16}$ n = 12</p> <p>C. Write $2\frac{1}{5}$ as an improper fraction. $\frac{11}{5}$</p> <p>D. Show: $\frac{1}{4} = \frac{3}{12}$. Explain your thinking. </p>

DAY 3	DAY 4
<p>A. a. List the factors of 30. 1, 2, 3, 5, 6, 10, 15, 30</p> <p>b. Compute: 17(18) 306</p> <p>B. Use the Big 1 to write $\frac{8}{12}$ in simplest form. $\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$</p> <p>C. Write $\frac{9}{4}$ as a mixed number and as a sum. $2\frac{1}{4}$ and $2 + \frac{1}{4}$</p>	<p>A. a. List the factors of 36. 1, 2, 3, 4, 6, 9, 12, 18, 36</p> <p>b. Compute: 34(13) 442</p> <p>B. Use the Big 1 to write $\frac{4}{18}$ in simplest form. $\frac{4}{18} \div \frac{2}{2} = \frac{2}{9}$</p> <p>C. Write $4\frac{1}{3}$ as an improper fraction. $\frac{13}{3}$</p>

D. Show: $\frac{5}{10} = \frac{1}{2}$. Explain your thinking.

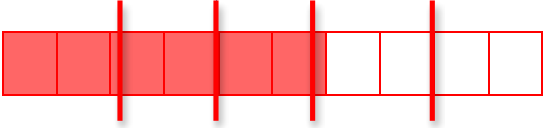

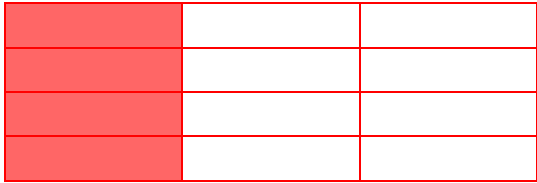



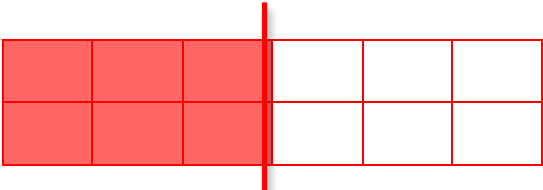
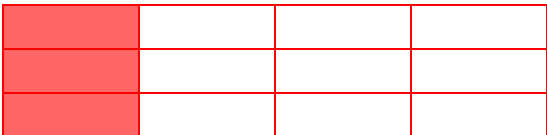
D. Show: $\frac{3}{9} = \frac{1}{3}$. Explain your thinking.



SKILL BOOSTERS: FRACTION CONCEPTS WEEK 3

Answer Key

DAY 1	DAY 2
<p>A. Write $\frac{6}{20}$ in three different ways. 6 divided by 20 $20 \overline{)6}$ $6 \div 20$</p> <p>B. Show that $\frac{6}{10} = \frac{3}{5}$ using a diagram. </p> <p>C. a. Find the LCM and GCF of 18 and 24. LCM: 72, GCF: 6 b. Compute: $425 \div 17$ 25</p> <p>D. Locate $\frac{3}{4}$ on a number line. Explain your placement. </p>	<p>A. Write 9 divided by 10 in three different ways. $\frac{9}{10}$ $10 \overline{)9}$ $9 \div 10$</p> <p>B. Show that $\frac{1}{3} = \frac{4}{12}$ using a diagram. </p> <p>C. a. Find the LCM and GCF of 12 and 32. LCM: 96, GCF: 4 b. Compute: $1020 \div 30$ 34</p> <p>D. Locate $1\frac{2}{5}$ on a number line. Explain your placement. </p>

DAY 3	DAY 4
<p>A. Write $\frac{4}{25}$ in three different ways. 4 divided by 25 $25 \overline{)4}$ $4 \div 25$</p> <p>B. Show that $\frac{6}{12} = \frac{1}{2}$ using a diagram. </p>	<p>A. Write 5 divided by 15 in three different ways. $\frac{5}{15}$ $15 \overline{)5}$ $5 \div 15$</p> <p>B. Show that $\frac{1}{4} = \frac{3}{12}$ using a diagram. </p>

C. a. Find the LCM and GCF of 10 and 25.

LCM: 50, GCF: 5

b. Compute: $504 \div 24$
21

D. Locate $-\frac{1}{8}$ on a number line. Explain your placement.



C. a. Find the LCM and GCF of 30 and 36.

LCM: 180, GCF: 6


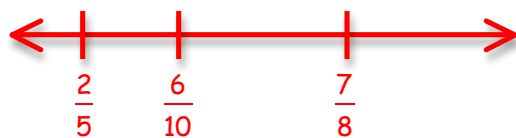
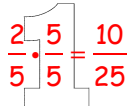

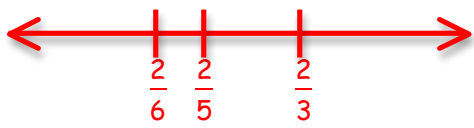
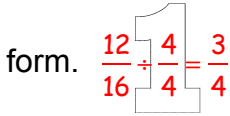
b. Compute: $882 \div 21$
42

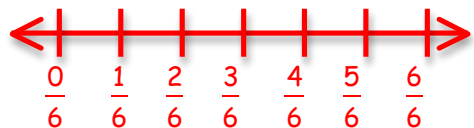

D. Locate $-2\frac{1}{3}$ on a number line. Explain your placement.



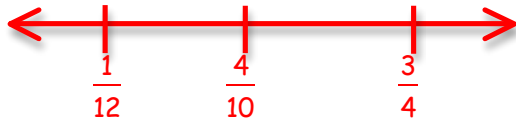
SKILL BOOSTERS: FRACTION CONCEPTS WEEK 4

Answer Key

DAY 1	DAY 2
<p>A. Compute:</p> <p>a. $8 \div 4 \cdot 2$ 4</p> <p>b. $234(75)$ 17,550</p> <p>B. Draw a picture of $\frac{2}{3}$ using a set model.</p> <div style="text-align: center;">  </div> <p>C. Place $\frac{2}{5}$, $\frac{7}{8}$, and $\frac{6}{10}$ on a number line.</p> <div style="text-align: center;">  </div> <p>D. Use the Big 1 to find n: $\frac{2}{5} = \frac{n}{25}$</p> <div style="text-align: center;">  </div>	<p>A. Compute:</p> <p>a. $3(25-12)$ 39</p> <p>b. $751(34)$ 25,534</p> <p>B. Draw a picture of $\frac{2}{5}$ using an area model.</p> <div style="text-align: center;">  </div> <p>C. Place $\frac{2}{3}$, $\frac{2}{6}$, and $\frac{2}{5}$ on a number line.</p> <div style="text-align: center;">  </div> <p>D. Use the Big 1 to write $\frac{12}{16}$ in simplest form.</p> <div style="text-align: center;">  </div>

DAY 3	DAY 4
<p>A. Compute:</p> <p>a. $4 + 20 \cdot 4$ 84</p> <p>b. $162(12)$ 1,944</p> <p>B. Draw a picture of $\frac{5}{6}$ using a linear model.</p> <div style="text-align: center;">  </div>	<p>A. Compute:</p> <p>a. $505 - 36 \div 6$ 499</p> <p>b. $82(176)$ 14,432</p> <p>B. Draw a picture of $\frac{1}{6}$ using a model of your choice.</p> <div style="text-align: center;">  </div>

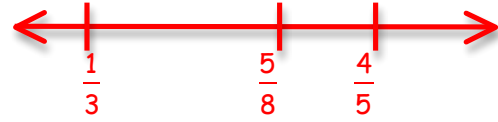
C. Place $\frac{3}{4}$, $\frac{4}{10}$, and $\frac{1}{12}$ on a number line.



D. Use the Big 1 to find n : $\frac{2}{3} = \frac{n}{24}$

$$\frac{2 \cdot 8}{3 \cdot 8} = \frac{16}{24}$$

C. Place $\frac{4}{5}$, $\frac{5}{8}$, and $\frac{1}{3}$ on a number line.


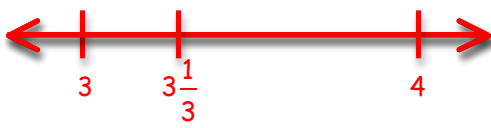
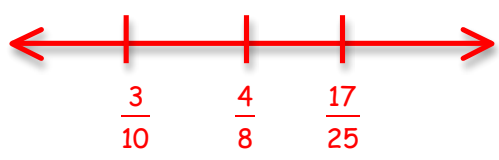
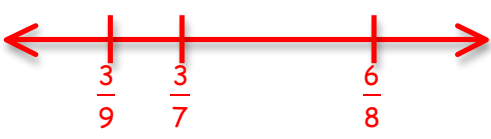


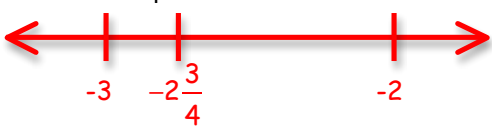

D. Use the Big 1 to write $\frac{6}{18}$ in simplest form.

$$\frac{6 \div 6}{18 \div 6} = \frac{1}{3}$$

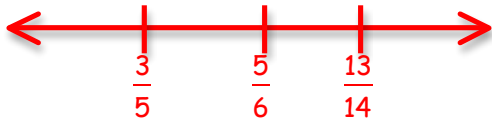
SKILL BOOSTERS: FRACTION CONCEPTS WEEK 5

Answer Key

DAY 1	DAY 2
<p>A. Locate $2\frac{4}{5}$ on a number line.</p> 	<p>A. Locate $3\frac{1}{3}$ on a number line.</p> 
<p>B. Write $2\frac{3}{4}$ as a sum. $2 + \frac{3}{4}$</p>	<p>B. Write $3\frac{1}{8}$ as an improper fraction. $\frac{25}{8}$</p>
<p>C. Compute: $846 \div 9$ 94</p>	<p>C. Compute: $\frac{1431}{27}$ 53</p>
<p>D. Place $\frac{17}{25}$, $\frac{3}{10}$, and $\frac{4}{8}$ on a number line. Explain your strategy.</p> 	<p>D. Place $\frac{3}{7}$, $\frac{3}{9}$, and $\frac{6}{8}$ on a number line. Explain your strategy.</p> 

DAY 3	DAY 4
<p>A. Locate $-2\frac{3}{4}$ on a number line.</p> 	<p>A. Locate $-1\frac{1}{8}$ on a number line.</p> 
<p>B. Write $\frac{36}{5}$ as a mixed number. $7\frac{1}{5}$</p>	<p>B. Write $2\frac{4}{5}$ as an improper fraction. $\frac{14}{5}$</p>
<p>C. Compute: 825 divided by 15 55</p>	<p>C. Compute: $16 \overline{)432}$ 27</p>

D. Place $\frac{3}{5}$, $\frac{5}{6}$, and $\frac{13}{14}$ on a number line. Explain your strategy.



D. Place $\frac{3}{8}$, $\frac{5}{11}$, and $\frac{5}{6}$ on a number line. Explain your strategy.

