SKILL BOOSTERS: FRACTION CONCEPTS
WEEK 1

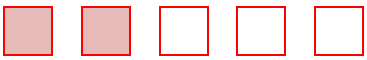
Answer Key – Some models may vary. One possible answer is shown.

DAY 1

A. Write 3 divided by 12 in three different ways.

$\frac{3}{12}$ $12\overline{)3}$ $3 \div 12$

B. Draw $\frac{2}{5}$ using a set model.

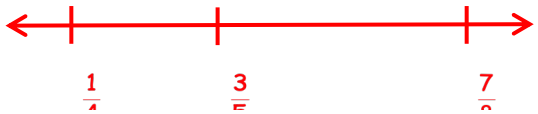


C. Compute:

a. 23(1,000) 23,000

b. 500 + 56 – 78 478

D. Place $\frac{1}{4}$, $\frac{3}{5}$, and $\frac{7}{8}$ on a number line.

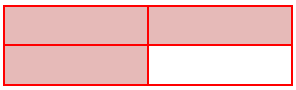


DAY 2

A. Write 2 divided by 8 in three different ways.

$\frac{2}{8}$ $8\overline{)2}$ $2 \div 8$

B. Draw $\frac{3}{4}$ using a set model.

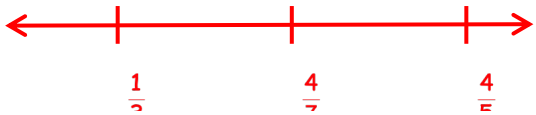


C. Compute:

a. 431(100) 43,100

b. 72 – (6 + 7) 59

D. Place $\frac{1}{3}$, $\frac{4}{5}$, and $\frac{4}{7}$ on a number line.

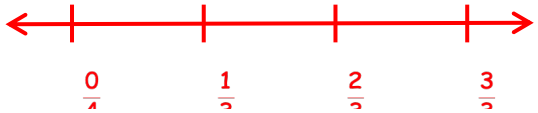


DAY 3

A. Write $\frac{5}{6}$ in three different ways.

5 divided by 6 $6\overline{)5}$ $5 \div 6$

B. Draw $\frac{1}{3}$ using a linear model.

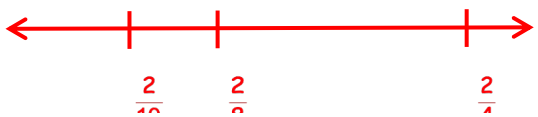


C. Compute:

a. 52(10) 520

b. 300 + 42 – 17 325

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

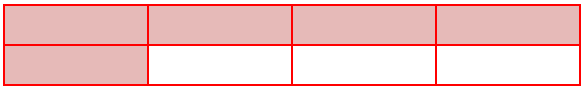


DAY 4

A. Write $\frac{4}{5}$ in three different ways.

4 divided by 5 $5\overline{)4}$ $4 \div 5$

B. Draw $\frac{5}{8}$ using a model of your choice. (area, set, or linear)

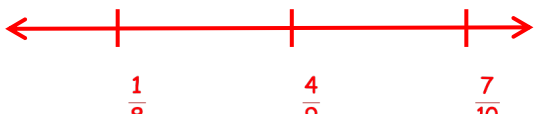


C. Compute:

a. 676(1,000) 676,000

b. 450 – 46 + 4 408

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



SKILL BOOSTERS: FRACTION CONCEPTS
WEEK 2

Answer Key – Some models may vary. One possible answer is shown.

DAY 1

A. a. List the factors of 18.

1, 2, 3, 6, 9, 18

b. Compute: 48(12)

576

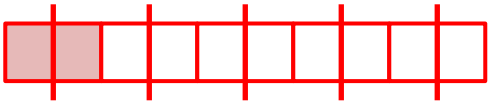
B. Use the big 1 to find n: $\frac{3}{5} = \frac{n}{15}$

$\frac{3}{5} \cdot \boxed{\frac{3}{3}} = \frac{9}{15}$ $n = 9$

C. Write $2\frac{1}{5}$ as a sum.

$2 + \frac{1}{5}$

D. Show $\frac{1}{5} = \frac{2}{10}$.



DAY 2

A. a. List the factors of 24.

1, 2, 3, 4, 6, 8, 12, 24

b. Compute: 25(21)

525

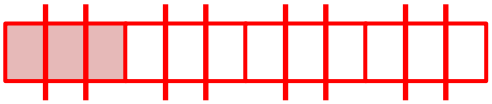
B. Use the big 1 to find n: $\frac{3}{4} = \frac{n}{16}$

$\frac{3}{4} \cdot \boxed{\frac{4}{4}} = \frac{12}{16}$ $n = 12$

C. Write $2\frac{1}{5}$ as an improper fraction.

$\frac{11}{5}$

D. Show $\frac{1}{4} = \frac{3}{12}$.



DAY 3

A. a. List the factors of 30.

1, 2, 3, 5, 6, 10, 15, 30

b. Compute: 17(18)

306

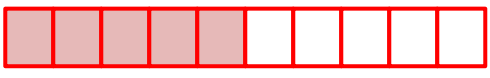
B. Use the big 1 to write $\frac{8}{12}$ in simplest form.

$\frac{8}{12} \cdot \boxed{\frac{4}{4}} = \frac{2}{3}$

C. Write $\frac{9}{4}$ as a mixed number and as a sum.

$2\frac{1}{4}$ and $2 + \frac{1}{4}$

D. Show $\frac{5}{10} = \frac{1}{2}$.



DAY 4

A. a. List the factors of 36.

1, 2, 3, 4, 6, 9, 12, 18, 36

b. Compute: 34(13)

442

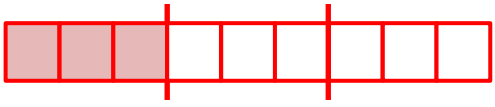
B. Use the big 1 to write $\frac{4}{18}$ in simplest form.

$\frac{4}{18} \cdot \boxed{\frac{2}{2}} = \frac{2}{9}$

C. Write $4\frac{1}{3}$ as an improper fraction.

$\frac{13}{3}$

D. Show $\frac{3}{9} = \frac{1}{3}$.



SKILL BOOSTERS: FRACTION CONCEPTS
WEEK 3

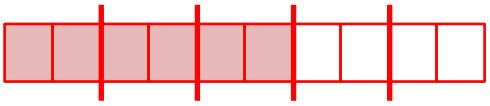
Answer Key – Some models may vary. One possible answer is shown.

DAY 1

A. Write $\frac{6}{20}$ in three different ways.

6 divided by 20 $\quad 20\overline{)6} \quad$ $6 \div 20$

B. Show that $\frac{6}{10} = \frac{3}{5}$ using a diagram.



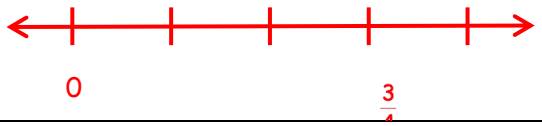
C. a. Find the LCM and GCF of 18 and 24.

LCM: 72, GCF: 6

b. Compute: 425 ÷ 17

25

D. Locate $\frac{3}{4}$ on a number line.

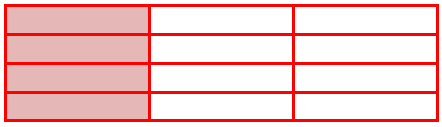


DAY 2

A. Write 9 divided by 10 in three different ways.

$\frac{9}{10} \quad 10\overline{)9} \quad 9 \div 10$

B. Show that $\frac{1}{3} = \frac{4}{12}$ using a diagram.



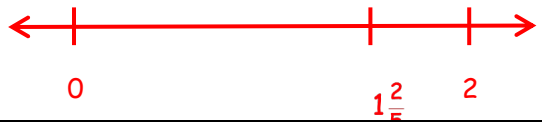
C. a. Find the LCM and GCF of 12 and 32.

LCM: 96, GCF: 4

b. Compute: 1020 ÷ 30

34

D. Locate $1\frac{2}{5}$ on a number line.

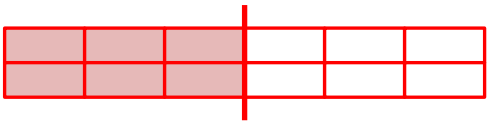


DAY 3

A. Write $\frac{4}{25}$ in three different ways.

4 divided by 25 $\quad 25\overline{)4} \quad$ $4 \div 25$

B. Show that $\frac{6}{12} = \frac{1}{2}$ using a diagram.



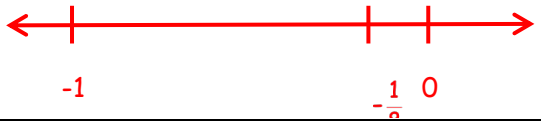
C. a. Find the LCM and GCF of 10 and 25.

LCM: 50, GCF: 5

b. Compute: 504 ÷ 24

21

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

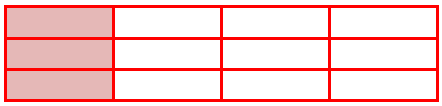


DAY 4

A. Write 5 divided by 15 in three different ways.

$\frac{5}{15} \quad 15\overline{)5} \quad 5 \div 15$

B. Show that $\frac{1}{4} = \frac{3}{12}$ using a diagram.



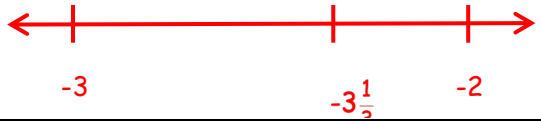
C. a. Find the LCM and GCF of 30 and 36.

LCM: 180, GCF: 6

b. Compute: 882 ÷ 21

42

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



SKILL BOOSTERS: FRACTION CONCEPTS
WEEK 4

Answer Key – Some models may vary. One possible answer is shown.

DAY 1

A. Compute:

a. $8 \div 4 \bullet 2$ 4

b. $234(75)$ 17,550

B. Draw a picture of $\frac{2}{3}$ using a set model.

C. Place $\frac{2}{5}$, $\frac{7}{8}$, and $\frac{6}{10}$ on a number line.

D. Use the big 1 to find n: $\frac{2}{5} = \frac{n}{25}$

$\frac{2}{5} \bullet \boxed{\frac{5}{5}} = \frac{10}{25}$ $n = 10$

DAY 2

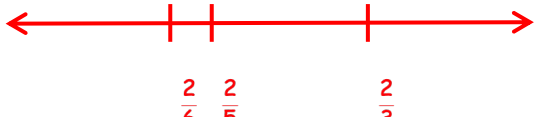
A. Compute:

a. $3(25 - 12)$ 39

b. $751(34)$ 25,534

B. Draw a picture of $\frac{2}{5}$ using an area model.

C. Place $\frac{2}{3}$, $\frac{2}{6}$, and $\frac{2}{5}$ on a number line.



D. Use the big 1 to write $\frac{12}{16}$ in simplest form.

$\frac{12}{16} \div \boxed{\frac{4}{4}} = \frac{3}{4}$

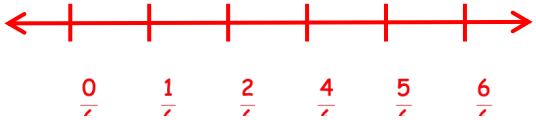
DAY 3

A. Compute:

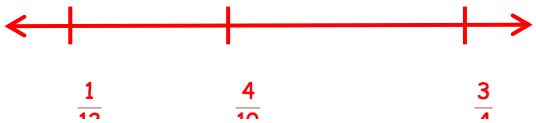
a. $4 + 20 \bullet 4$ 84

b. $162(12)$ 1,944

B. Draw a picture of $\frac{5}{6}$ using a linear model.



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



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

$\frac{2}{3} \bullet \boxed{\frac{8}{8}} = \frac{16}{24}$ $n = 16$

DAY 4

A. Compute:

a. $505 - 36 \div 6$ 499

b. $82(176)$ 14,432

B. Draw a picture of $\frac{1}{6}$ using a model of your choice.

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.

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

SKILL BOOSTERS: FRACTION CONCEPTS
WEEK 5

Answer Key – Some models may vary. One possible answer is shown.

DAY 1

A. Locate $2\frac{4}{5}$ on a number line.

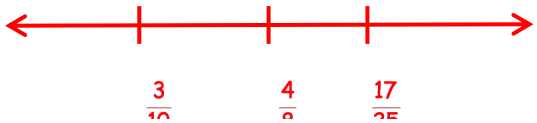
B. Write $2\frac{3}{4}$ as a sum.

$2 + \frac{3}{4}$

C. Compute: $846 \div 9$

94

D. Place $\frac{17}{25}$, $\frac{3}{10}$, and $\frac{4}{8}$ on a number line.



DAY 2

A. Locate $3\frac{1}{3}$ on a number line.

B. Write $3\frac{1}{8}$ as an improper fraction.

$\frac{25}{8}$

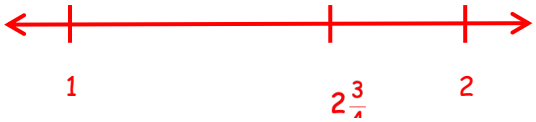
C. Compute: $\frac{1431}{27}$

53

D. Place $\frac{3}{7}$, $\frac{3}{9}$, and $\frac{6}{8}$ on a number line.

DAY 3

A. Locate $2\frac{3}{4}$ on a number line.



B. Write $\frac{36}{5}$ as a mixed number.

$7\frac{1}{5}$

C. Compute: 825 divided by 15

94

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

DAY 4

A. Locate $1\frac{1}{8}$ on a number line.

B. Write $2\frac{4}{5}$ as an improper fraction.

$\frac{14}{5}$

C. Compute: $16\overline{)432}$

27

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