# SKILL BOOSTERS: FRACTION CONCEPTS
## WEEK 1

### SKILLS OF THE WEEK

A.  Notation

B.  Fraction models

C.  Multiply by 10, whole (addition/subtraction)

D.  Order fractions

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### DAY 1

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

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

C.  Compute:
   a. 23 (1,000)

   b. 500 + 56 – 78

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

### DAY 2

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

B.  Draw $\frac{3}{4}$ using an area model.

C.  Compute:
   a. 431 (100)

   b. 72 – (6 + 7)

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

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### DAY 3

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

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

C.  Compute:
   a. 52 (10)

   b. 300 + 42 – 17

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

### DAY 4

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

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

C.  Compute:
   a. 676 (1,000)

   b. 450 – 46 + 4

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

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## SKILLS OF THE WEEK

A. Identify factors, whole (multiplication)

B. Equivalence (Big 1)

C. Equivalence (mixed numbers)

D. Equivalence (diagram)

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### DAY 1

A.    a. List the factors of 18.

     b. Compute: 48(12)

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

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

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

### DAY 2

A.    a. List the factors of 24.

     b. Compute: 25(21)

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

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

D.   Show: $\dfrac{1}{4} = \dfrac{3}{12}$. Explain your thinking.

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### DAY 3

A.    a. List the factors of 30.

     b. Compute: 17(18)

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

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

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

### DAY 4

A.    a. List the factors of 36.

     b. Compute: 34(13)

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

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

D.   Show: $\dfrac{3}{9} = \dfrac{6}{18}$. Explain your thinking.

# SKILL BOOSTERS:  FRACTION CONCEPTS
## WEEK 3

### SKILLS OF THE WEEK

A.  Notation

B.  Equivalence (diagram)

C.  LCM/GCF, whole (division)

D.  Number Lines

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### DAY 1

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

B.  Show that $\frac{3}{5} = \frac{9}{15}$ using a diagram.

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

  b.  Compute: $425 \div 17$

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

### DAY 2

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

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

C.  a.  Find the LCM and GCF of 12 and 32.
  b.  Compute: $1020 \div 30$

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

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### DAY 3

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

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

C.  a.  Find the LCM and GCF of 10 and 25.
  b.  Compute: $504 \div 24$

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

### DAY 4

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

B.  Show that $\frac{1}{4} = \frac{4}{16}$ using a diagram.

C.  a.  Find the LCM and GCF of 30 and 36.
  b.  Compute: $882 \div 21$

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

# SKILL BOOSTERS:  FRACTION CONCEPTS
## WEEK 4

### SKILLS OF THE WEEK

A.  Order of operations, whole (multiplication)

B.  Fraction models

C.  Order fractions

D.  Equivalence (Big 1)

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### DAY 1

A.  Compute:
   a.  $8 \div 4 \cdot 2$

   b.  $234(75)$

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 $n$: $\frac{2}{5} = \frac{n}{20}$

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### DAY 2

A.  Compute:
   a.  $3(25-12)$

   b.  $751(34)$

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.

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### DAY 3

A.  Compute:
   a.  $4 + 20 \cdot 4$

   b.  $162(12)$

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 $n$: $\frac{2}{3} = \frac{n}{18}$

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### DAY 4

A.  Compute:
   a.  $505 - 36 \div 6$

   b.  $82(176)$

B.  Draw a picture of $\frac{4}{5}$ 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.

# SKILL BOOSTERS:  FRACTION CONCEPTS
## WEEK 5

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### SKILLS OF THE WEEK

A.  Number lines

B.  Equivalence (mixed numbers)

C.  Whole (division)

D.  Order fractions

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### DAY 1

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

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

C.  Compute:   $846 \div 9$

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

### DAY 2

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

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

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

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

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### DAY 3

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

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

C.  Compute: 825 divided by 15

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

### DAY 4

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

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

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

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