Add:

42.6 + 31.31

Divide:

$2 \div \frac{1}{3}$

What is the volume of this figure if each individual cube is equal to 1 cubic inch?

What is the value of the underlined digit?

6,438.9<u>6</u>

Add. Show answer in simplest form.

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

Solve:

404
x 27

Select all the expressions that have a value of 24.

☐ 864 ÷ 36
☐ 646 ÷ 27
☐ 984 ÷ 41
☐ 768 ÷ 32
☐ 952 ÷ 40

Simpson
Middle School
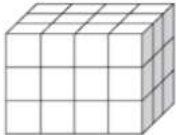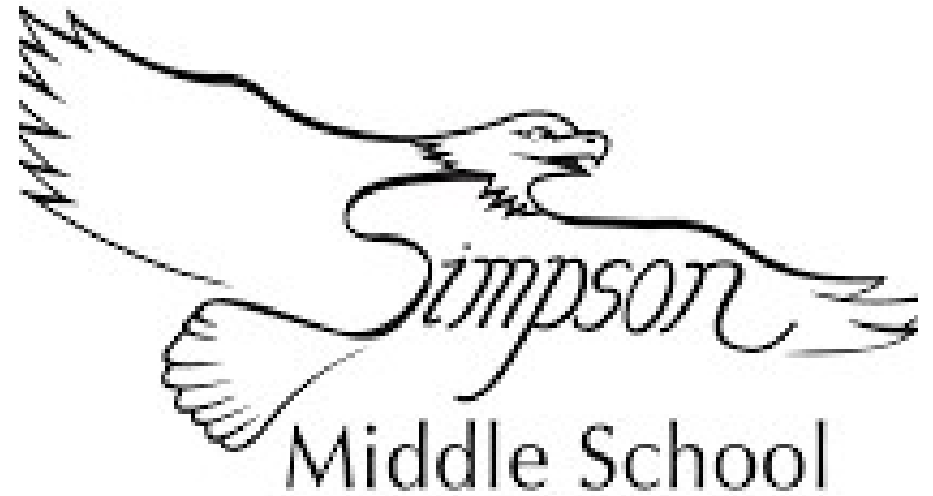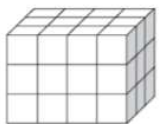
Add: 42.6 + 31.31 73.91	What is the volume of this figure if each individual cube is equal to 1 cubic inch? 36 cu in
Divide: $2 \div \frac{1}{3}$ 6	

What is the value of the underlined digit? 6,438.9<u>6</u> 6 hundredths	Add. Show answer in simplest form. $\frac{2}{3} + \frac{3}{4} =$ 1 5/12	Solve: 404 x 27 _____ 10,908

Select all the expressions that have a value of 24.

- [x] 864 ÷ 36
- [ ] 646 ÷ 27
- [x] 984 ÷ 41
- [x] 768 ÷ 32
- [ ] 952 ÷ 40

Simpson

Middle School

Multiply:

$$\frac{5}{8} \times \frac{2}{3} =$$

What is 5.417 rounded to the nearest hundredth?

What is the missing number in the following equation?

$$\frac{1}{5} + \frac{}{3} = \frac{13}{15}$$

Point F is 8 units away from the origin on the x-axis. What could be the coordinates of point Z?

A. (0, 8)   B. (8, 0)
C. (8, 8)   D. (8, 6)

Subtract:

61.26 − 28.3

Which type of parallelogram could have four equal-length sides?
A. Trapezoid
B. Rhombus
C. Rectangle
D. Pentagon

Select all the expressions that show 8.204 written in expanded form.

☐ $(8 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

☐ $(8 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$

☐ $(8 \times 1) + (204 \times \frac{1}{1000})$

☐ $(82 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$

☐ $(82 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

Simpson Middle School

Multiply:	What is the missing number in the following equation?
$\frac{5}{8} \times \frac{2}{3} =$ 10/24 or 5/12	$\frac{1}{5} + \frac{2}{3} = \frac{13}{15}$
What is 5.417 rounded to the nearest hundredth? 5.42	

Point F is 8 units away from the origin on the x-axis. What could be the coordinates of point Z? A. (0, 8) B. (8, 0) C. (8, 8) D. (8, 6)	Subtract: 61.26 − 28.3 32.96	Which type of parallelogram could have four equal-length sides? A. Trapezoid B. Rhombus C. Rectangle D. Pentagon

Select all the expressions that show 8.204 written in expanded form.

- ☐ $(8 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100})$
- ☒ $(8 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$
- ☒ $(8 \times 1) + (204 \times \frac{1}{1000})$
- ☒ $(82 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$
- ☐ $(82 \times \frac{1}{10}) + (4 \times \frac{1}{100})$

Simpson Middle School

What is "four hundred thirty and sixty-five hundredths" in decimal form?	What is the area, in square units, of the rectangle? $\frac{2}{5}$ foot $\frac{7}{8}$ foot
What is the value of the expression? $6\overline{)576}$	

Add: $\frac{5}{8} + \frac{2}{3} =$	What is the value of each of the following? $10^2 =$ _____ $10^3 =$ _____ $10^1 =$ _____	Solve: 3.62 $\times \ \underline{\ 0.3}$

Find the volume of the prism below.

4cm

3cm

6cm

What is "four hundred thirty and sixty-five hundredths" in decimal form?	What is the area, in square units, of the rectangle?

What is "four hundred thirty and sixty-five hundredths" in decimal form?

430.65

What is the value of the expression?

$$6\overline{)576} = 96$$

What is the area, in square units, of the rectangle?

$\frac{2}{5}$ foot

$\frac{7}{8}$ foot

14/40 sq ft or 7/20 sq ft

Add:

$$\frac{5}{8} + \frac{2}{3} = \text{31/24 or 1 7/24}$$

What is the value of each of the following?

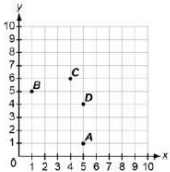$10^2 = $ ___100___

$10^3 = $ ___1000___

$10^1 = $ ___10___

Solve:

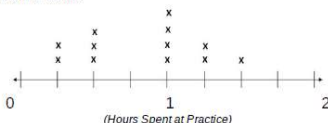$$\begin{array}{r} 3.62 \\ \times\ \ 0.3 \\ \hline 1.086 \end{array}$$
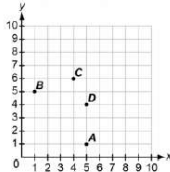
Find the volume of the prism below.

4cm

3cm

6cm

72 cu cm

Simpson Middle School

Add. Show answer in simplest form.

$$1\frac{1}{2} + 2\frac{3}{8} =$$

Divide:

$$8\overline{)61.22}$$

Identify the ordered pair for each point on the coordinate plane.

A (,   )

B (,   )

C (,   )

D (,   )

What is 14.78 x 10^1?

What is 48.193 rounded to the nearest tenth?

When multiplying a number by 10^3, how is the decimal point moved?

A. 3 places to the right
B. 3 places to the left
C. 4 places to the right
D. 4 places to the left

The line plot below shows how many hours each student on the soccer team spent at practice this week.

(Hours Spent at Practice)

How much total time did the 3 players who spent the most time at practice spend at practice combined?

Middle School

Add. Show answer in simplest form.

$$1\frac{1}{2} + 2\frac{3}{8} =$$

3 7/8

Divide:

$$8 \overline{) 61.22}$$ 7.69

Identify the ordered pair for each point on the coordinate plane.

A (5 , 1)

B (1 , 5)

C (4 , 6)

D (5 , 4)

What is 14.78 x 10^1?

147.8

What is 48.193 rounded to the nearest tenth?

48.2

When multiplying a number by 10^3, how is the decimal point moved?

A. 3 places to the right
B. 3 places to the left
C. 4 places to the right
D. 4 places to the left

The line plot below shows how many hours each student on the soccer team spent at practice this week.

```
                    x
           x        x
    x  x   x    x
    x  x   x    x    x
  +--+--+--+--+--+--+--+
  0           1           2
      (Hours Spent at Practice)
```

How much total time did the 3 players who spent the most time at practice spend at practice combined?   4 hrs

Circle the expression that has the greater value: 6 x 0.7 0.6 x 0.7	Jennifer has 16 pounds of candy. She wants to put the candy into bags so that each bag has ¼ pound of candy. How many bags of candy can Jennifer make?
Add: 42.6 + 31.31 + 9.05	

What is the value of the missing exponent in the expression: 6.975 x 10 = 697.5	What is 1.408×10^3?	Subtract: $2\frac{3}{5} - \frac{7}{8} =$

Select all the expressions that have a value less than 750.

☐ $750 \times \frac{5}{4}$ ☐ $750 \times \frac{1}{2}$

☐ $750 \times \frac{3}{8}$ ☐ $750 \times 1\frac{1}{3}$

☐ 750×4 ☐ $750 \times \frac{1}{6}$

Simpson
Middle School

Circle the expression that has the greater value: (6 x 0.7) 0.6 x 0.7	Jennifer has 16 pounds of candy. She wants to put the candy into bags so that each bag has ¼ pound of candy. How many bags of candy can Jennifer make?
Add: 42.6 + 31.31 + 9.05 82.96	64

What is the value of the missing exponent in the expression: $6.975 \times 10^2 = 697.5$	What is 1.408×10^3? 1,408	Subtract: $2\frac{3}{5} - \frac{7}{8} =$ 1 29/40

Select all the expressions that have a value less than 750.

☐ $750 \times \frac{5}{4}$ ☒ $750 \times \frac{1}{2}$

☒ $750 \times \frac{3}{8}$ ☐ $750 \times 1\frac{1}{3}$

☐ 750×4 ☒ $750 \times \frac{1}{6}$
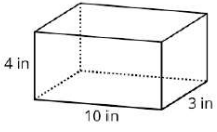
Simpson
Middle School

An expression is shown.

$$19 + 4 - 3 \times 3 - 12$$

Create an equivalent expression that includes a set of parentheses so that the value of the expression is 10.

Erica and Aileen are creating patterns.
- Erica uses the rule "multiply by 3" and starts at 3.
- Aileen uses the rule "add 4" and starts at 19.

What is the first number in Erica's pattern that also appears in Aileen's pattern?

Add. Show answer in simplest form.

$$1\frac{5}{8} + \frac{9}{10} =$$

Write an expression to match the following phrase:

Multiply the sum of 8 and 4 by 2,

What is $364.7 \div 10^3$?

Solve:

$$28.8 - 13.95$$

Which statements about the values 0.526 and 52.6 are true?

☐ 0.526 is 10 times 52.6
☐ 0.526 is 100 times 52.6
☐ 52.6 is 10 times 0.526
☐ 52.6 is 100 times 0.526
☐ 0.526 is $\frac{1}{10}$ of 52.6
☐ 0.526 is $\frac{1}{100}$ of 52.6
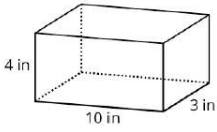
Simpson
Middle School

An expression is shown.

$19 + (4 - 3) \times 3 - 12$

Create an equivalent expression that includes a set of parentheses so that the value of the expression is 10.

Add. Show answer in simplest form.

$1\frac{5}{8} + \frac{9}{10} =$

2 21/40

Erica and Aileen are creating patterns.
- Erica uses the rule "multiply by 3" and starts at 3.
- Aileen uses the rule "add 4" and starts at 19.

What is the first number in Erica's pattern that also appears in Aileen's pattern?

27

Write an expression to match the following phrase:

Multiply the sum of 8 and 4 by 2,

(8 + 4) x 22

What is $364.7 \div 10^3$?

0.03647

Solve:

$28.8 - 13.95$

14.85

Which statements about the values 0.526 and 52.6 are true?

- ☐ 0.526 is 10 times 52.6
- ☐ 0.526 is 100 times 52.6
- ☐ 52.6 is 10 times 0.526
- ☒ 52.6 is 100 times 0.526
- ☐ 0.526 is $\frac{1}{10}$ of 52.6
- ☒ 0.526 is $\frac{1}{100}$ of 52.6

Simpson Middle School

Which measurement is used to determine the amount a box will hold?

A. Area   B. Perimeter

C. Length   D. Volume

What is the volume of this rectangular prism?

4 in

10 in   3 in

Subtract:

$$5\frac{1}{3} - 2\frac{1}{2} =$$

What is "thirty-eight and seventy-five thousandths" in decimal form?

Multiply:

$$\begin{array}{r} 3,807 \\ \times\ \ \ \ 12 \\ \hline \end{array}$$

Divide:

$$25\overline{)120}$$

5.OA.2.3

Marisa and Viviana are creating patterns.
- Marisa uses the rule "multiply by 2, then add 1"
- Viviana uses the rule "multiply by 3, then subtract 2,

Each pattern starts at 1.

Complete each table to show the next 3 terms in each pattern.

Marisa's Pattern

Term	Number
1	1
2	
3	
4	

Viviana's Pattern

Term	Number
1	1
2	
3	
4	

Simpson Middle School

from **Summer Slide** to SUMMERSWING   **Day 7**
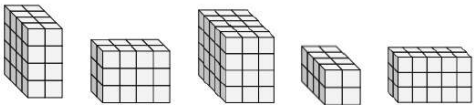
Which measurement is used to determine the amount a box will hold? A. Area B. Perimeter C. Length **D. Volume**	What is the volume of this rectangular prism? 4 in 10 in 3 in
Subtract: $5\frac{1}{3} - 2\frac{1}{2} =$ 2 5/6	120 cu in

What is "thirty-eight and seventy-five thousandths" in decimal form? 38.075	Multiply: 3,807 x 12 45,684	Divide: 4.8 25) 120

5.OA.2.3

Marisa and Viviana are creating patterns.
- Marisa uses the rule "multiply by 2, then add 1"
- Viviana uses the rule "multiply by 3, then subtract 2,

Each pattern starts at 1.

Complete each table to show the next 3 terms in each pattern.

Marisa's Pattern	
Term	Number
1	1
2	3
3	7
4	15

Viviana's Pattern	
Term	Number
1	1
2	1
3	1
4	1

Simpson
Middle School
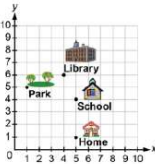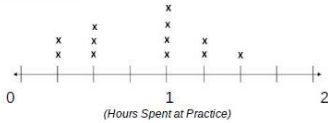
Circle the true statement: 46.8 < 46.08 35.30 > 35.3 17.2 > 17.19	**5.NBT.1.4** Select all the numbers that round to 286.4 when rounded to the nearest tenth. ☐ 286.35 ☐ 286.54 ☐ 286.371 ☐ 286.486 ☐ 286.42 ☐ 286.31	
Find the value: 91.2 x 0.04		
A shipping box has a width of 6 inches, a length of 10 inches, and a height of 7 inches. What is the volume of the shipping box?	Find the value of the expression: ½ x (7 + 5 x 5) – 10	Add: $3\frac{2}{5} + 1\frac{1}{4} =$

Circle each prism that has a volume of 30 or more cubic units.

Simpson Middle School

Circle the true statement:

   46.8 < 46.08

   35.30 > 35.3

   17.2 > 17.19

Find the value:

   91.2 x 0.04

3.648

5.NBT.1.4

Select all the numbers that round to 286.4 when rounded to the nearest tenth.

- [x] 286.35
- [ ] 286.54
- [x] 286.371
- [ ] 286.486
- [x] 286.42
- [ ] 286.31

A shipping box has a width of 6 inches, a length of 10 inches, and a height of 7 inches. What is the volume of the shipping box? 420 cu in

Find the value of the expression:

½ x (7 + 5 x 5) − 10

6

Add:

$3\frac{2}{5} + 1\frac{1}{4} =$

4 13/20

Circle each prism that has a volume of 30 or more cubic units.

5.G.1.1

Divide:	Use the map to answer the following questions.
$0.4 \overline{)38.24}$	Alex started at home. He went 3 blocks up. Then he went 4 blocks to the left and 1 up. Then he went 3 blocks to the right and 1 up. Put the place names in order from where he visited first to where he visited last.
Amy needs 32 yards of fabric for a school project. How many feet of fabric does she need?	A. library, home, park, school B. home, school, library, park C. home, school, park, library D. home, library, park, school

What is the value of the expression? $100 + 12 \div 4 - 6$	What is 307.5 x 10^2?	Add. Show answer in simplest form. $\frac{5}{6} + 2\frac{3}{4} =$

5.MD.2.2

The line plot below shows how many hours each student on the soccer team spent at practice this week.

(Hours Spent at Practice)

How many players practiced this week?

How many players practiced at least 1 hour?

Divide:	Use the map to answer the following questions.	**5.G.1.1**
$0.4\overline{)38.24}$	Alex started at home. He went 3 blocks up. Then he went 4 blocks to the left and 1 up. Then he went 3 blocks to the right and 1 up. Put the place names in order from where he visited first to where he visited last.	

Amy needs 32 yards of fabric for a school project. How many feet of fabric does she need?

96 feet

A. library, home, park, school
B. home, school, library, park
C. home, school, park, library
D. home, library, park, school

What is the value of the expression?	What is 307.5×10^2?	Add. Show answer in simplest form.
$100 + 12 \div 4 - 6$ 97	30,750	$\frac{5}{6} + 2\frac{3}{4} =$ 3 14/24 or 3 7/12

5.MD.2.2

The line plot below shows how many hours each student on the soccer team spent at practice this week.

(Hours Spent at Practice)

How many players practiced this week?   12

How many players practiced at least 1 hour?   7

Simpson Middle School

Which expression is equivalent to $\frac{5}{8}$?

A. 8 ÷ 5
B. 8 x 5
C. 5 ÷ 8
D. 5 x 8

Lisa has a board that is 8 feet long. She needs to cut the board into 16 equal-length pieces. How many feet long should each piece of the board be?

Which statement describes the expression 20 + ½ x (4 + 6) ?

A. Half of 4 added to six, plus 20.
B. The sum of 4 and 6 plus half of 20.
C. Half the sum of 4 and 6 added to 20.
D. The sum of 4 and 6 plus 20 divided by 2.

Complete the equivalent fraction:

$$\frac{3}{5} = \frac{}{25}$$

What is the value of the expression?

(20 + 4) − 18 ÷ 2

Multiply:

2,604
x   8

A numerical expression is evaluated as shown.
   ½ x (8 + 10 ÷ 5) + 8
      Step 1: ½ x (8 + 2) + 8
      Step 2: ½ x 10 + 8
      Step 3: ½ x 18
      Step 4: 9

In which step does a mistake first appear?
   A. Step 1
   B. Step 2
   C. Step 3
   D. Step 4

Simpson
Middle School

Which expression is equivalent to $\frac{5}{8}$?
 A. 8 ÷ 5
 B. 8 x 5
 C. 5 ÷ 8
 D. 5 x 8

Lisa has a board that is 8 feet long. She needs to cut the board into 16 equal-length pieces. How many feet long should each piece of the board be?

1/2 foot

Which statement describes the expression 20 + ½ x (4 + 6) ?

 A. Half of 4 added to six, plus 20.
 B. The sum of 4 and 6 plus half of 20.
 C. Half the sum of 4 and 6 added to 20.
 D. The sum of 4 and 6 plus 20 divided by 2.

Complete the equivalent fraction:

$$\frac{3}{5} = \frac{15}{25}$$

What is the value of the expression?

$(20 + 4) - 18 ÷ 2$

15

Multiply:

$$\begin{array}{r} 2{,}604 \\ \times\quad 8 \\ \hline \end{array}$$

20,832

A numerical expression is evaluated as shown.
 ½ x (8 + 10 ÷ 5) + 8
  Step 1: ½ x (8 + 2) + 8
  Step 2: ½ x 10 + 8
  Step 3: ½ x 18
  Step 4: 9

In which step does a mistake first appear?
 A. Step 1
 B. Step 2
 C. Step 3
 D. Step 4

Simpson Middle School

What is the least common multiple of 3 and 4? In other words, what is the smallest number that is divisible by both 3 and 4?	The table shows the total amount of money Mary has saved for 5 consecutive weeks. Write an equation that can be used to determine her savings after any number of weeks.

The table shows the total amount of money Mary has saved for 5 consecutive weeks. Write an equation that can be used to determine her savings after any number of weeks.

Week (w)	Amount Saved (s)
1	10
2	20
3	30
4	40
5	50

Solve:

480.22 − 185.25

Equation: _____

Divide:

9) 4,302

What is the greatest common factor of 15 and 20? In other words, what is the largest number that divides evenly into both 15 and 20?

What is $376.2 \times \frac{1}{10}$?

Which expression is equivalent to 8 + 20 ?
   A. 4(4 + 20)
   B. 4(2 + 5)
   C. 2(2 + 10)
   D. 2(6 + 18)

HOW TO SOLVE: Placing a number outside the parentheses with no operation indicated implies multiplication. For clarification, let's look at option A. 4(4 + 20) is the same thing as 4 x (4 + 20). Using the distributive rule, we know that 4 x (4 + 20) is the same as (4 x 4) + (4 x 20). If we do the math, (4 x 4) + (4 x 20) is equal to 16 + 80, not 8 + 20, so option A will not be a correct answer. What about the other options?

Simpson Middle School
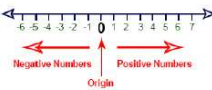
What is the least common multiple of 3 and 4? In other words, what is the smallest number that is divisible by both 3 and 4? 12	The table shows the total amount of money Mary has saved for 5 consecutive weeks. Write an equation that can be used to determine her savings after any number of weeks.

Week (w)	Amount Saved (s)
1	10
2	20
3	30
4	40
5	50

Solve: 480.22 − 185.25 294.97	Equation: ___s = w x 10___

Divide: $9 \overline{)4{,}302}$ 478	What is the greatest common factor of 15 and 20? In other words, what is the largest number that divides evenly into both 15 and 20? 5	What is $376.2 \times \frac{1}{10}$? 37.62

Which expression is equivalent to 8 + 20 ?
  A. 4(4 + 20)
  B. 4(2 + 5)
  C. 2(2 + 10)
  D. 2(6 + 18)

HOW TO SOLVE: Placing a number outside the parentheses with no operation indicated implies multiplication. For clarification, let's look at option A. 4(4 + 20) is the same thing as 4 x (4 + 20). Using the distributive rule, we know that 4 x (4 + 20) is the same as (4 x 4) + (4 x 20). If we do the math, (4 x 4) + (4 x 20) is equal to 16 + 80, not 8 + 20, so option A will not be a correct answer. What about the other options?

Simpson
Middle School

An expression is shown. 2,418.9 + 7.2 What is the value of the expression?	A **variable** is a letter used in an equation to represent a number. For example, 8 x n = 32. "n" represents a number that would make the sentence true. In this case, n must equal 4 in order to make this a true statement.

Write an expression to match the words:
 	
Double the difference of eight and six, then add 12.
	What does the variable p represent in the equation below?
	
	    6 x p = 54
	
	    p = ____

Which expression is equivalent to 12 + 28 ?
  A. 4(3 + 28)
  B. 3(4 + 9)
  C. 4(3 + 7)
  D. 3(4 + 7)
	Write the rule for this pattern:
	
	  1, 2, 4, 8, 16, 32
		What is the least common multiple of 6 and 9?

A negative number is a number that is less than zero, and is represented by placing a "minus" sign in front of it. If we were to draw a number line, all numbers to the left of zero would be negative, while all numbers to the right of zero would be positive.

-6 -5 -4 -3 -2 -1 **0** 1 2 3 4 5 6 7

Negative Numbers   **Positive Numbers**

Origin

According to the information above, which of the following represents a negative number?

A. 6
B. 0
C. -4
D. 1

Simpson Middle School
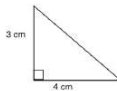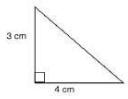

An expression is shown.
 	
   2,418.9 + 7.2
 	
What is the value of the expression?
 	
   2,426.1
	A **variable** is a letter used in an equation to represent a number. For example, 8 x n = 32. "n" represents a number that would make the sentence true. In this case, n must equal 4 in order to make this a true statement.
	
	What does the variable p represent in the equation below?
	
	       6 x p = 54
	
	     p = __9__

Write an expression to match the words: ***Double the difference of eight and six, then add 12.*** 2 x (8 - 6) + 12	

Which expression is equivalent to 12 + 28 ?
  A. 4(3 + 28)
  B. 3(4 + 9)
  C. 4(3 + 7)
  D. 3(4 + 7)
	Write the rule for this pattern:
	
	1, 2, 4, 8, 16, 32
	
	   multiply by 2
		What is the least common multiple of 6 and 9?
		
		   18

A negative number is a number that is less than zero, and is represented by placing a "minus" sign in front of it. If we were to draw a number line, all numbers to the left of zero would be negative, while all numbers to the right of zero would be positive.

-6 -5 -4 -3 -2 -1 **0** 1 2 3 4 5 6 7

Negative Numbers   Positive Numbers

Origin

According to the information above, which of the following represents a negative number?

A. 6
B. 0
C. -4
D. 1

Simpson Middle School

What is the value of the expression? $5 + 7 \times 5 - 36 \div 9$	The area of a triangle can be found by multiplying the measurement of the base by the measurement of the height, and then multiplying that product by ½. In other words: $A = ½ \times b \times h$ Using this formula, find the area of the triangle below.
Find the value of the variable c. $72 \div c = 9$ $c = \rule{2cm}{0.4pt}$	3 cm 4 cm

What is the least common multiple of 12 and 9?	Solve: $601.7 - 250.16$	What is the greatest common factor of 24 and 56?

Select all the expressions that have a value more than 1,850.

☐ $1{,}850 \times \frac{3}{2}$ ☐ $1{,}850 \times 1\frac{1}{6}$

☐ $1{,}850 \times \frac{1}{8}$ ☐ $1{,}850 \times \frac{2}{3}$

☐ $1{,}850 \times 5$ ☐ $1{,}850 \times \frac{7}{2}$
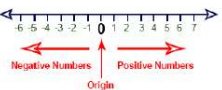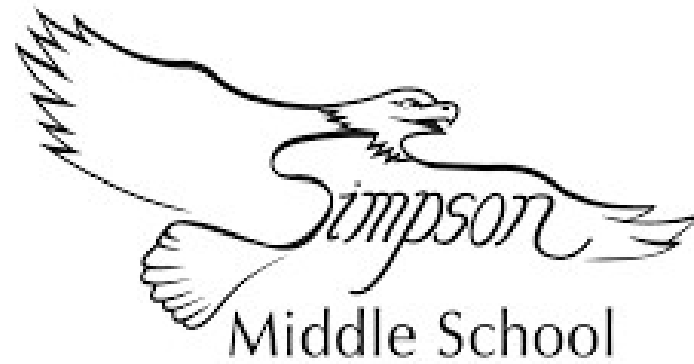
Simpson

Middle School

What is the value of the expression?

$$5 + 7 \times 5 - 36 \div 9$$

36

The area of a triangle can be found by multiplying the measurement of the base by the measurement of the height, and then multiplying that product by ½. In other words:

$$A = ½ \times b \times h$$

Using this formula, find the area of the triangle below.

Find the value of the variable c.

$$72 \div c = 9$$

$$c = \underline{8}$$

6 sq cm

3 cm

4 cm

What is the least common multiple of 12 and 9?

36

Solve:

$$601.7 - 250.16$$

351.54

What is the greatest common factor of 24 and 56?

8

Select all the expressions that have a value more than 1,850.

[x] $1,850 \times \frac{3}{2}$ [x] $1,850 \times 1\frac{1}{6}$

[ ] $1,850 \times \frac{1}{8}$ [ ] $1,850 \times \frac{2}{3}$

[x] $1,850 \times 5$ [x] $1,850 \times \frac{7}{2}$

Simpson Middle School

Complete the equivalent fraction:

$$\frac{6}{\_} = \frac{18}{21}$$

An expression is shown.

1,890.051 + 32.96

What is the value of the expression?

Pedro saves the same amount of money each week. The table shows the amount of money Pedro has saved for several weeks. Complete the table to show the Pedro's weekly savings.

Week	Amount ($)
0	0
2	14
3	
5	35

Divide:

$$12 \overline{)682.8}$$

Find the value of the variable r.

$$120 \div r = 10$$

$$r = \_\_\_\_\_$$

Write an expression to match the following phrase:

add 14 to the quotient of 42 and 6, then double the result

A negative number is a number that is less than zero, and is represented by placing a "minus" sign in front of it. If we were to draw a number line, all numbers to the left of zero would be negative, while all numbers to the right of zero would be positive.

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

Negative Numbers   Positive Numbers

Origin

Additionally, the further a number is to the right, the greater its value. Likewise, the further a number is to the left, the lower its value.

Identify the true statement below:

A. -2 < -4   B. -2 > 3   C. -5 < -4   D. 7 < -2

Simpson
Middle School

Complete the equivalent fraction:

$$\frac{6}{7} = \frac{18}{21}$$

An expression is shown.

1,890.051 + 32.96

What is the value of the expression?

1,923.011

Pedro saves the same amount of money each week. The table shows the amount of money Pedro has saved for several weeks. Complete the table to show the Pedro's weekly savings.

Week	Amount ($)
0	0
2	14
3	21
5	35

Divide:

$$12 \overline{)\ 682.8} \quad 56.9$$

Find the value of the variable r.

$120 \div r = 10$

$r = \underline{\ 12\ }$

Write an expression to match the following phrase:

add 14 to the quotient of 42 and 6, then double the result

[4 + (42 / 6)] x 2

A negative number is a number that is less than zero, and is represented by placing a "minus" sign in front of it. If we were to draw a number line, all numbers to the left of zero would be negative, while all numbers to the right of zero would be positive.

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

Negative Numbers   Positive Numbers

Origin

Additionally, the further a number is to the right, the greater its value. Likewise, the further a number is to the left, the lower its value.

Identify the true statement below:

A. -2 < -4   B. -2 > 3   C. -5 < -4   D. 7 < -2

Simpson
Middle School
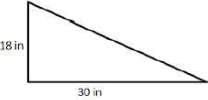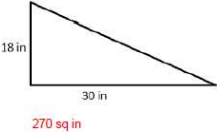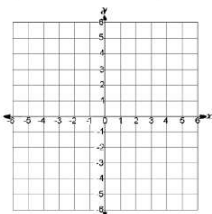
What is the least common multiple of 6 and 8?	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
What is the greatest common factor of 18 and 36?	18 in 30 in

| Find the value of the variable d.

$42 \times d = 84$

$d = \underline{\quad\quad}$ | Which two expressions are equivalent to 9 + 27 ?
A. 3(3 + 9)
B. 3(3 + 27)
C. 9(1 + 27)
D. 9(1 + 3) | Divide:

$15 \div \frac{1}{4}$ |

Which of the following expressions represents a negative number?

A. The temperature in Miami is 98 degrees today.
B. The temperature in Sitka is -35 degrees today.
C. The temperature in Houston is 104 degrees today.
D. The temperature in Alberta is 15 degrees today.
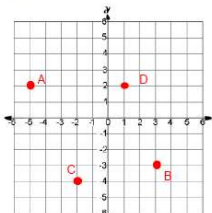
What is the least common multiple of 6 and 8? 24	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
What is the greatest common factor of 18 and 36? 9	18 in 30 in 270 sq in

Find the value of the variable d. $42 \times d = 84$ $d = \underline{\ 2\ }$	Which two expressions are equivalent to 9 + 27 ? A. 3(3 + 9) B. 3(3 + 27) C. 9(1 + 27) D. 9(1 + 3)	Divide: $15 \div \frac{1}{4}$ 60

Which of the following expressions represents a negative number?

  A. The temperature in Miami is 98 degrees today.
  B. The temperature in Sitka is -35 degrees today.
  C. The temperature in Houston is 104 degrees today.
  D. The temperature in Alberta is 15 degrees today.

Simpson
Middle School

What is 42.751 rounded to the nearest whole number?	Find the area (length times width).

9 cm

4 cm

Area = _____

What is the value of the expression? 9 x 6 − 5 x 3 + 2	

Solve: 924.81 − 634.28	Divide: 4) 8.568	When we multiply a number by a variable, we do not need to show the multiplication sign. "6 x n" is the same as "6n". What is the value of n below? 6n = 48

Negative numbers can be plotted on a graph, too. The ordered pair still consists of an x-coordinate (horizontal value) and a y-coordinate (vertical value). See if you can plot the following points on the grid. An example has been shown.

A (-5, 2)

B (3, -3)

C (-2, -4)

D (1, 2)

Middle School

What is 42.751 rounded to the nearest whole number?

43

What is the value of the expression?

$9 \times 6 - 5 \times 3 + 2$

41

Find the area (length times width).

9 cm

4 cm

Area = 36 sq cm

Solve:

$924.81 - 634.28$

290.53

Divide:

2.142

4) 8.568

When we multiply a number by a variable, we do not need to show the multiplication sign. "6 x *n*" is the same as "6*n*". What is the value of *n* below?

$6n = 48$ n = 8

Negative numbers can be plotted on a graph, too. The ordered pair still consists of an x-coordinate (horizontal value) and a y-coordinate (vertical value). See if you can plot the following points on the grid. An example has been shown.

A (-5, 2)

B (3, -3)

C (-2, -4)

D (1, 2)

Middle School

Subtract:

$$4\frac{9}{10} - 1\frac{7}{8} =$$

An equation is shown.

$$x + 9 = 23$$

Which of the values can be substituted for x to make the equation true?

A. 6   B. 9

C. 14   D. 15

Paula saves the same amount of money each week. The table shows the amount of money Paula has saved for several weeks. Complete the table to show the Paula's weekly savings.

Week	Amount ($)
2	10
3	15
6	
10	50

What is 682.908 rounded to the nearest tenth?

Multiply:

$$\begin{array}{r} 4,248 \\ \times \quad 42 \\ \hline \end{array}$$

Gary has 8 yards of fabric. He uses 108 inches of it to make a costumes. How many feet of fabric does he have left?

A table of equivalent ratios is shown.

Ratios	
20	2
40	4
60	6
80	8

Plot these points on the grid to the right.
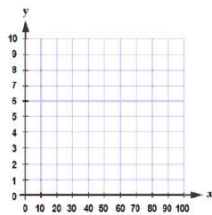
Subtract:

$$4\frac{9}{10} - 1\frac{7}{8} =$$

3 2/80 or 3 1/40

An equation is shown.
$$x + 9 = 23$$
Which of the values can be substituted for x to make the equation true?

A. 6   B. 9

C. 14   D. 15

Paula saves the same amount of money each week. The table shows the amount of money Paula has saved for several weeks. Complete the table to show the Paula's weekly savings.

Week	Amount ($)
2	10
3	15
6	30
10	50

What is 682.908 rounded to the nearest tenth?

682.9

Multiply:

$$\begin{array}{r} 4,248 \\ \times \quad 42 \\ \hline \end{array}$$
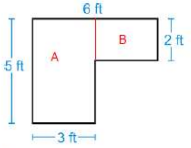
178,416

Gary has 8 yards of fabric. He uses 108 inches of it to make a costumes. How many feet of fabric does he have left? 15 ft

A table of equivalent ratios is shown.

Ratios	
20	2
40	4
60	6
80	8

Plot these points on the grid to the right.

Simpson
Middle School

What is $1,892 \times \frac{1}{100}$?

What is the least common multiple of 15 and 10?

Find the area of each rectangle, then find the area of the entire combined shape.

6 ft

B   2 ft

5 ft   A

3 ft

Rectangle A: _____
Rectangle B: _____
Composite Figure: _____

Complete the equivalent fraction:

$$\frac{}{12} = \frac{20}{48}$$

What is the greatest common factor of 48 and 52?

An equation is shown.
$$19 - x = 12$$
Which of the values can be substituted for x to make the equation true?

A. 3   B. 5

C. 7   D. 9

Percentages are simply numbers expressed as a quantity out of a total of 100. For example, 50% means 50 out 100. 25% means 25 out of 100.

For each of the percentages below, indicate how many out of 100.

1. 45% = _____ out of 100

2. 83% = _____ out of 100

3. 92% = _____ out of 100

4. 11% = _____ out of 100
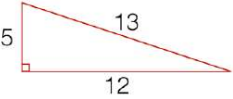
Simpson
Middle School

What is $1{,}892 \times \frac{1}{100}$?	Find the area of each rectangle, then find the area of the entire combined shape.
18.92	6 ft B 2 ft 5 ft A 3 ft
What is the least common multiple of 15 and 10? 30	Rectangle A: __15 cu units__ Rectangle B: __6 cu units__ Composite Figure: __21 cu units__

Complete the equivalent fraction: $\frac{5}{12} = \frac{20}{48}$	What is the greatest common factor of 48 and 52? 4	An equation is shown. $19 - x = 12$ Which of the values can be substituted for x to make the equation true? A. 3 B. 5 C. 7 D. 9

Percentages are simply numbers expressed as a quantity out of a total of 100. For example, 50% means 50 out 100. 25% means 25 out of 100.

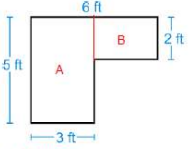For each of the percentages below, indicate how many out of 100.

1. 45% = __45__ out of 100

2. 83% = __83__ out of 100

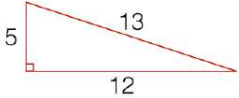3. 92% = __92__ out of 100

4. 11% = __11__ out of 100

Simpson Middle School

Divide:

$$\frac{2}{3} \div 6$$

Find the area of the triangle below.
Remember, use the formula A = ½ × b × h.

Which expression is equivalent to 14 + 35 ?
- A. 2(7 + 35)
- B. 7(2 + 5)
- C. 2(7 + 17)
- D. 7(2 + 35)

An equation is shown.

$$30 \div x = 10$$

Which of the values can be substituted for x to make the equation true?

A. 3   B. 5

C. 7   D. 9

An expression is shown.

846.382 + 48.7

What is the value of the expression?

Divide:

$$7 \overline{)\, 38.92}$$

Carl and Steven are creating patterns.
- Carl uses the rule "triple, then add 1"
- Steven uses the rule "multiply by 4, then subtract 2,

Each pattern starts at 1.

Complete each table to show the next 3 terms in each pattern.

Carl's Pattern	
Term	Number
1	1
2	
3	
4	

Steven's Pattern	
Term	Number
1	1
2	
3	
4	

Divide:	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
$\frac{2}{3} \div 6$ 2/18 or 1/9	
Which expression is equivalent to 14 + 35 ? A. 2(7 + 35) B. 7(2 + 5) C. 2(7 + 17) D. 7(2 + 35)	30 cu inits

| An equation is shown.
 $30 \div x = 10$
 Which of the values can be substituted for x to make the equation true?

 A. 3   B. 5

 C. 7   D. 9 | An expression is shown.

 846.382 + 48.7

 What is the value of the expression?

 895.082 | Divide:

 $7 \overline{)38.92}$ 5.56 |

Carl and Steven are creating patterns.
- Carl uses the rule "triple, then add 1"
- Steven uses the rule "multiply by 4, then subtract 2,

Each pattern starts at 1.

Complete each table to show the next 3 terms in each pattern.

Carl's Pattern			Steven's Pattern	
Term	Number		Term	Number
1	1		1	1
2	4		2	2
3	13		3	6
4	40		4	22

Simpson
Middle School

A shipping box has a width of 5 inches, a length of 9 inches, and a height of 6 inches. What is the volume of the shipping box?	Write the following number in word form: 2,612.652 _____ _____ _____	
An equation is shown. $42 + x = 53$ Which of the values can be substituted for x to make the equation true? A. 11 B. 15 C. 12 D. 16		
What is the value of the expression? $72 \div 8 + 5 \times 7 - 4$	Add. Show answer in simplest form. $3\frac{1}{8} + 4\frac{3}{5} =$	What is 17.78 x 10³?

Percentages can be "simplified" just like fractions.

The fraction $\frac{25}{100}$ can be simplified to $\frac{1}{4}$ simply by dividing both the numerator and denominator by a common factor of 25.

Likewise, the percentage 25%, or 25 out of 100, can be expressed as 1 out of 4 also ($\frac{1}{4}$).

Try to "simplify" the following percentages.

50% = _____ out of 100 = $\frac{}{100} = \frac{\div 50}{100 \div 50} = \frac{}{2}$

75% = _____ out of 100 = $\frac{}{100} = \frac{\div 25}{100 \div 25} = \frac{}{4}$

Simpson Middle School

A shipping box has a width of 5 inches, a length of 9 inches, and a height of 6 inches. What is the volume of the shipping box? 270 cu in	Write the following number in word form: 2,612.652 two thousand six hundred twelve and six hundred fifty two thousandths
An equation is shown. $42 + x = 53$ Which of the values can be substituted for x to make the equation true? A. 11 B. 15 C. 12 D. 16	$(2 \times 1000) + (6 \times 100) + (1 \times 10) + (2 \times 1) + (6 \times 1/10) +$ $(5 \times 1/100) + (2 \times 1/1000)$

What is the value of the expression? $72 \div 8 + 5 \times 7 - 4$ 40	Add. Show answer in simplest form. $3\frac{1}{8} + 4\frac{3}{5} =$ 7 29/40	What is 17.78 x 10³? 17,780

Percentages can be "simplified" just like fractions.

The fraction $\frac{25}{100}$ can be simplified to $\frac{1}{4}$ simply by dividing both the numerator and denominator by a common factor of 25.

Likewise, the percentage 25%, or 25 out of 100, can be expressed as 1 out of 4 also ($\frac{1}{4}$).

Try to "simplify" the following percentages.

50% = __50__ out of 100 = $\frac{50}{100} = \frac{50 \div 50}{100 \div 50} = \frac{1}{2}$

75% = __75__ out of 100 = $\frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$
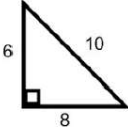
Multiply: 1,875 x 51	Alice saves the same amount of money each week. The table shows the amount of money Alice has saved for several weeks. Complete the table to show the Alice's weekly savings.	
Paula has 6 yards of fabric for a school project. She uses 84 inches to make the project. How many feet of fabric does she have left?		

Week	Amount ($)
1	3
4	12
7	
9	27

Add. Show answer in simplest form. $8\frac{1}{2} + 2\frac{2}{3} =$	Divide: $\frac{4}{7} \div 9$	What is the value of the underlined digit? 476.02<u>9</u>

Select all the expressions that show 17.095 written in expanded form.

☐ $(1 \times 10) + (7 \times 1) + (9 \times \frac{1}{10}) + (5 \times \frac{1}{1000})$

☐ $(17 \times 1) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

☐ $(1 \times 10) + (7 \times 1) + (95 \times \frac{1}{100})$

☐ $(1 \times 10) + (7 \times 1) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$

☐ $(17 \times 1) + (95 \times \frac{1}{100})$

Multiply:	Alice saves the same amount of money each week. The table shows the amount of money Alice has saved for several weeks. Complete the table to show the Alice's weekly savings.

Multiply:

$$1,875 \times 51$$

95,625

Week	Amount ($)
1	3
4	12
7	21
9	27

Paula has 6 yards of fabric for a school project. She uses 84 inches to make the project. How many feet of fabric does she have left? **11 feet**

Add. Show answer in simplest form.	Divide:	What is the value of the underlined digit?
$8\frac{1}{2} + 2\frac{2}{3} =$	$\frac{4}{7} \div 9$	476.02<u>9</u>
11 1/6	4/63	9 thousandths

Select all the expressions that show 17.095 written in expanded form.

- ☐ $(1 \times 10) + (7 \times 1) + (9 \times \frac{1}{10}) + (5 \times \frac{1}{1000})$
- ☒ $(17 \times 1) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$
- ☐ $(1 \times 10) + (7 \times 1) + (95 \times \frac{1}{100})$
- ☒ $(1 \times 10) + (7 \times 1) + (9 \times \frac{1}{100}) + (5 \times \frac{1}{1000})$
- ☐ $(17 \times 1) + (95 \times \frac{1}{100})$

Simpson Middle School

What is the greatest common factor of 19 and 83?	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.

What is the least common multiple of 4 and 14?	Subtract: $9\frac{2}{7} - 3\frac{1}{2} =$	What is 176.928 rounded to the nearest hundredth?

An expression is shown.

504.5 + 1,209.67

What is the value of the expression?

Using instructions given previously in this packet, try to "simplify" the following percentages.

40% = _____ out of 100 = $\frac{}{100}$ = $\frac{\div 20}{100 \div 20}$ = $\frac{}{5}$

90% = _____ out of 100 = $\frac{}{100}$ = $\frac{\div 10}{100 \div 10}$ = $\frac{}{10}$

65% = _____ out of 100 = $\frac{}{100}$ = $\frac{\div 5}{100 \div 5}$ = ——

10% = _____ out of 100 = —— = $\frac{\div 10}{\div 10}$ = ——

Simpson Middle School

What is the greatest common factor of 19 and 83?	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
1	
An expression is shown. 504.5 + 1,209.67 What is the value of the expression? 1,714.17	24 sq cm 6 10 8

What is the least common multiple of 4 and 14?	Subtract:	What is 176.928 rounded to the nearest hundredth?
28	$9\frac{2}{7} - 3\frac{1}{2} =$ 5 11/14	176.93

Using instructions given previously in this packet, try to "simplify" the following percentages.

40% = __40__ out of 100 = $\frac{40}{100} = \frac{40 \div 20}{100 \div 20} = \frac{2}{5}$

90% = __90__ out of 100 = $\frac{90}{100} = \frac{90 \div 10}{100 \div 10} = \frac{9}{10}$

65% = __65__ out of 100 = $\frac{65}{100} = \frac{65 \div 5}{100 \div 5} = \frac{13}{20}$

10% = __10__ out of 100 = $\frac{10}{100} = \frac{10 \div 10}{100 \div 10} = \frac{1}{10}$

Simpson Middle School

Write the rule for this pattern:

67, 69, 71, 73, 75

What is $35.9 \div 10^3$?

Find the area of each rectangle, then find the area of the entire combined shape.

3 cm

3 cm

5 cm

10 cm
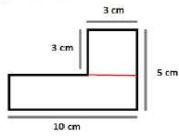
Rectangle A: _____
Rectangle B: _____
Composite Figure: _____

Write an expression to match the following phrase:

Triple the sum of nineteen and ninety

Divide:

15 ⟌ 125.4

Benito has a board that is 10 feet long. He needs to cut the board into 4 equal-length pieces. How long will each piece of the board be? Express your answer in feet and inches.

Probability is the likelihood that something will happen. For example, if you flip a coin, there is an equal chance that the result will be heads or it will be tails. In other words, the probability of flipping heads is 1 out of 2 (1 side is heads out of a total of 2 possible sides). Also, the probability of flipping tails is 1 out of 2 (1 side is tails out of a total of 2 possible sides).

Based on this, see if you can answer the following questions.

Tommy has a jar of marbles that has 1 red marble, 1 green marble, and 1 blue marble. If he picks one marble out at random (without looking), what is the probability that the marble will be green?

1 green marble out of _____ total marbles; probability is 1 out of _____

What is the probability of picking the red marble? _____ out of _____

Simpson Middle School

Write the rule for this pattern: 67, 69, 71, 73, 75 add 2	Find the area of each rectangle, then find the area of the entire combined shape. 3 cm 3 cm A 5 cm B 10 cm
What is $35.9 \div 10^3$? 0.0359	Rectangle A: ___9 sq cm___ Rectangle B: ___50 sq cm___ Composite Figure: ___59 sq cm___

Write an expression to match the following phrase: ***Triple the sum of nineteen and ninety*** 3 x (19 + 90)	Divide: $$\begin{array}{r} 8.36 \\ 15 \overline{)125.4} \end{array}$$	Benito has a board that is 10 feet long. He needs to cut the board into 4 equal-length pieces. How long will each piece of the board be? Express your answer in feet and inches. 2 ft 6 in

Probability is the likelihood that something will happen. For example, if you flip a coin, there is an equal chance that the result will be heads or it will be tails. In other words, the probability of flipping heads is 1 out of 2 (1 side is heads out of a total of 2 possible sides). Also, the probability of flipping tails is 1 out of 2 (1 side is tails out of a total of 2 possible sides).
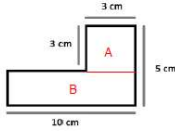
Based on this, see if you can answer the following questions.

Tommy has a jar of marbles that has 1 red marble, 1 green marble, and 1 blue marble. If he picks one marble out at random (without looking), what is the probability that the marble will be green?

1 green marble out of __3__ total marbles; probability is 1 out of __3__

What is the probability of picking the red marble? __1__ out of __3__

Simpson Middle School

A shipping box has a width of 9 inches, a length of 7 inches, and a height of 3 inches. What is the volume of the shipping box?	Write the following number in word form and expanded form: 396.075 _____
What is the value of the underlined digit? 8,405.<u>6</u>82 _____	_____ _____ _____ _____

Find the value: 121.65 x 0.3	Divide: $\frac{2}{3} \div \frac{5}{8}$	Multiply: 7,110 x 35

Karen and Yana are creating patterns.
- Karen uses the rule "multiply by 3, then subtract 1"
- Yana uses the rule "double, then add 3,

Each pattern starts at 1.

Complete each table to show the next 3 terms in each pattern.

Karen's Pattern			Yana's Pattern	
Term	Number		Term	Number
1	1		1	1
2			2	
3			3	
4			4	

Simpson Middle School

A shipping box has a width of 9 inches, a length of 7 inches, and a height of 3 inches. What is the volume of the shipping box? 189 cu in	Write the following number in word form and expanded form: 396.075 three hundred ninety-six and seventy five thousandths
What is the value of the underlined digit? 8,405.<u>6</u>82 6 tenths	(3 x 100) + (9 x 10) + (6 x 1) + (7 x 1/100) + (5 x 1/1000)

Find the value: 121.65 x 0.3 36.495	Divide: $\frac{2}{3} \div \frac{5}{8}$ 16/15 or 1 1/15	Multiply: 7,110 x 35 248,850

Karen and Yana are creating patterns.
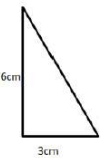- Karen uses the rule "multiply by 3, then subtract 1"
- Yana uses the rule "double, then add 3,
Each pattern starts at 1.

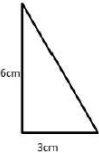Complete each table to show the next 3 terms in each pattern.

Karen's Pattern

Term	Number
1	1
2	2
3	5
4	14

Yana's Pattern

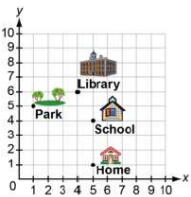| Term	Number
1	1
2	5
3	13
4	29

Simpson Middle School

Add. Show answer in simplest form. $1\frac{7}{8} + 5\frac{5}{6} =$	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
Paula has 10 yards of fabric for a school project. She uses 60 inches to make 2 costumes. How many feet of fabric does she have left?	6cm 3cm

Write the rule for this pattern: 48, 24, 12, 6, 3	An expression is shown. 4352 ÷ 32 What is the value of the expression?	Complete the equivalent fraction: $\frac{9}{14} = \frac{45}{\_\_\_}$

Anderson has a jar with 5 green marbles, 7 purple marbles, 6 red marbles, and 4 white marbles.

What is the probability that he will pick a green marble?
_____ green marbles out of _____ total marbles, or _____ out of _____

What is the probability that he will pick a purple marble?
_____ purple marbles out of _____ total marbles, or _____ out of _____

What is the probability that he will pick a white marble?
_____ white marbles out of _____ total marbles, or _____ out of _____

Simpson Middle School

Add. Show answer in simplest form. $1\frac{7}{8} + 5\frac{5}{6} =$ 7 34/48 or 7 17/24	Find the area of the triangle below. Remember, use the formula A = ½ × b × h.
Paula has 10 yards of fabric for a school project. She uses 60 inches to make 2 costumes. How many feet of fabric does she have left? 300 in or 8 yd 1 ft	6cm 3cm 9 sq cm

Write the rule for this pattern: 48, 24, 12, 6, 3 divide by 2	An expression is shown. 4352 ÷ 32 What is the value of the expression? 136	Complete the equivalent fraction: $\frac{9}{14} = \frac{45}{70}$

Anderson has a jar with 5 green marbles, 7 purple marbles, 6 red marbles, and 4 white marbles.

What is the probability that he will pick a green marble?
____5____ green marbles out of ___22___ total marbles, or ____5___out of ____ 22

What is the probability that he will pick a purple marble?
____7____ purple marbles out of ___22___ total marbles, or ____7__out of ____ 22

What is the probability that he will pick a white marble?
____4____ white marbles out of ___22___ total marbles, or ____4__out of ____22

Subtract: $12\frac{7}{9} - 4\frac{1}{5} =$	What is the missing number in the following equation? $$\frac{3}{8} + \frac{\quad}{5} = 1\frac{7}{40}$$
Write an expression to match the following phrase: **Triple the difference of twelve and seven, then divide by five.**	

An expression is shown. 784.5 − 192.672 What is the value of the expression?	What is 782 x 10²?	Divide: $24\overline{)1{,}262.4}$

Franklin is at the park and realizes he needs to call his grandmother to remind her of something. He will need to walk to his home, to the library, or to the school to use the phone. Which would be the shortest walk?

A. Home
B. Library
C. School

Subtract: $12\frac{7}{9} - 4\frac{1}{5} =$ 8 26/45	What is the missing number in the following equation? $\frac{3}{8} + \frac{4}{5} = 1\frac{7}{40}$
Write an expression to match the following phrase: **Triple the difference of twelve and seven, then divide by five.** [3 x (12 - 7)]/5	

An expression is shown. 784.5 − 192.672 What is the value of the expression? 591.828	What is 782 x 10²? 78,200	Divide: 52.6 24) 1,262.4

Franklin is at the park and realizes he needs to call his grandmother to remind her of something. He will need to walk to his home, to the library, or to the school to use the phone. Which would be the shortest walk?
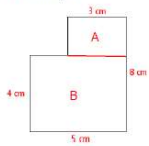
A. Home
B. Library
C. School

Middle School

What is the place value of the underlined digit? 7,642.9_4_5 _____ Multiply: 8,129 x 87	Find the area of each rectangle, then find the area of the entire combined shape. 3 cm A 8 cm 4 cm B 5 cm Rectangle A: _____ Rectangle B: _____ Composite Figure: _____
An expression is shown. 2925 ÷ 15 What is the value of the expression?	What is $456.8 \times \frac{1}{100}$?	Add. Show answer in simplest form. $2\frac{4}{5} + 4\frac{1}{9} =$
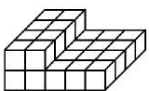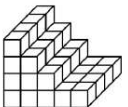
Find the volume of each figure below.

_____   _____   _____

Simpson
Middle School

What is the place value of the underlined digit?

7,642.9<u>4</u>5

hundredths

Multiply:

8,129
x   87

707,223

Find the area of each rectangle, then find the area of the entire combined shape.

3 cm

A

8 cm

4 cm   B

5 cm

Rectangle A: ___12 sq cm___
Rectangle B: ___20 sq cm___
Composite Figure: ___32 sq cm___
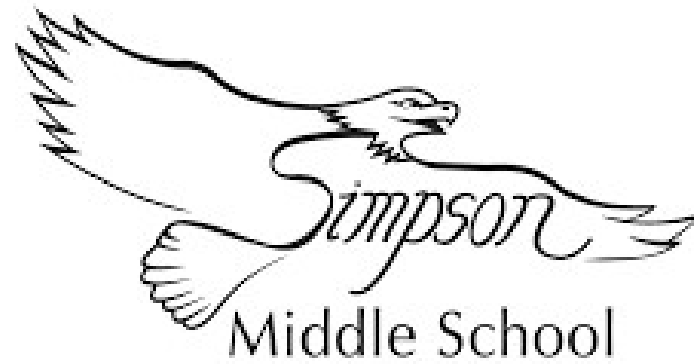

An expression is shown.

2925 ÷ 15

What is the value of the expression?

195

What is $456.8 \times \frac{1}{100}$?

4.568

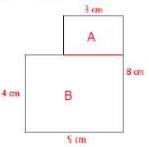Add. Show answer in simplest form.

$2\frac{4}{5} + 4\frac{1}{9} =$

6 41/45

Find the volume of each figure below.

5 cu units   28 cu units   44 cu units
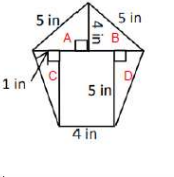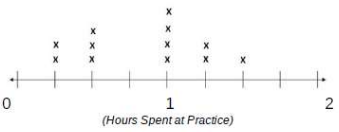
Simpson
Middle School

Find the value: 1,285 x 0.7	Write the following number in word form and expanded form: 7,915.381
A shipping box has a width of 3 inches, a length of 6 inches, and a height of 5 inches. What is the volume of the shipping box?	_____ _____ _____ _____

Divide: $1\frac{3}{5} \div \frac{7}{10}$	Write the rule for this pattern: 4, 11, 18, 25, 32	What is the value of the expression? $12 + (20 - 3 \times 2) \div 2$

Select all the expressions that show 265.17 written in expanded form.

☐ $(2 \times 100) + (6 \times 10) + (5 \times 1) + (17 \times \frac{1}{100})$

☐ $(26 \times 10) + (5 \times 1) + (17 \times \frac{1}{100})$

☐ $(26 \times 10) + (5 \times 1) + (17 \times \frac{1}{1000})$

☐ $(2 \times 100) + (6 \times 10) + (5 \times 1) + (1 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$

☐ $(2 \times 100) + (6 \times 10) + (51 \times \frac{1}{10}) + (7 \times \frac{1}{100})$

Simpson Middle School

Find the value: 1,285 x 0.7 899.5	Write the following number in word form and expanded form: 7,915.381 seven thousand nine hundred fifteen and three hundred eighty-one thousandths
A shipping box has a width of 3 inches, a length of 6 inches, and a height of 5 inches. What is the volume of the shipping box? 90 cu in	_____ $(7 \times 1000) + (9 \times 100) + (1 \times 10) + (5 \times 1) + (3 \times 1/10) + (8 \times 1/100) (1 \times 1/1000)$ _____

Divide: $1\frac{3}{5} \div \frac{7}{10}$ 2 10/35 or 2 2/7	Write the rule for this pattern: 4, 11, 18, 25, 32 add 7	What is the value of the expression? $12 + (20 - 3 \times 2) \div 2$ 19

Select all the expressions that show 265.17 written in expanded form.

- ☒ $(2 \times 100) + (6 \times 10) + (5 \times 1) + (17 \times \frac{1}{100})$
- ☒ $(26 \times 10) + (5 \times 1) + (17 \times \frac{1}{100})$
- ☐ $(26 \times 10) + (5 \times 1) + (17 \times \frac{1}{1000})$
- ☐ $(2 \times 100) + (6 \times 10) + (5 \times 1) + (1 \times \frac{1}{100}) + (7 \times \frac{1}{1000})$
- ☒ $(2 \times 100) + (6 \times 10) + (51 \times \frac{1}{10}) + (7 \times \frac{1}{100})$
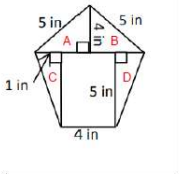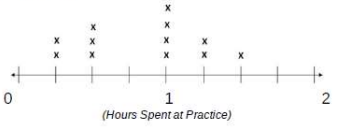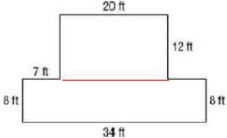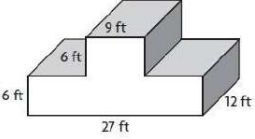
Simpson
Middle School

Multiply:

$$912 \times 47$$

An expression is shown.

$$2898 \div 14$$

What is the value of the expression?

Use what you've learned about area of rectangles and triangles to break this shape into parts, find the area of each part, and then find the total area of the pentagon.

Triangle A: _____
Triangle B: _____
Triangle C: _____
Triangle D: _____
Rectangle: _____

Total Area: _____

5 in   5 in
A   B
1 in   5 in
C   D
4 in

What is $9.08 \times \frac{1}{10}$?

Kitty needs 17 yards of fabric for a school project. How many inches of fabric does she need?

Subtract:

$$5\frac{4}{5} - 4\frac{2}{3} =$$

The line plot below shows how many hours each student on the soccer team spent at practice this week.

```
                        x
              x         x
      x       x         x     x
      x       x         x     x     x
  +---+---+---+---+---+---+---+---+---+
  0               1               2
           (Hours Spent at Practice)
```

How many players practiced less than half an hour this week?

How many players practiced 1¼ hour?

Multiply:

$$912$$
$$\times \quad 47$$
42,864

An expression is shown.

2898 ÷ 14

What is the value of the expression?

207

Use what you've learned about area of rectangles and triangles to break this shape into parts, find the area of each part, and then find the total area of the pentagon.

Triangle A: _6_
Triangle B: _6_
Triangle C: _2.5_
Triangle D: _2.5_
Rectangle: _20_

Total Area: _37 sq in_

What is $9.08 \times \frac{1}{10}$?

0.908

Kitty needs 17 yards of fabric for a school project. How many inches of fabric does she need?

612 in.

Subtract:

$$5\frac{4}{5} - 4\frac{2}{3} =$$

1 2/15

The line plot below shows how many hours each student on the soccer team spent at practice this week.

```
                        x
              x         x
    x     x   x     x
    x     x   x     x   x
  +--+--+--+--+--+--+--+--
    0         1         2
        (Hours Spent at Practice)
```

How many players practiced less than half an hour this week? 2

How many players practiced 1¼ hour? 2

Subtract:

$$8\frac{3}{5} - 1\frac{1}{2} =$$

Find the area of each rectangle, then find the area of the entire combined shape.

20 ft

12 ft

7 ft

8 ft   8 ft

34 ft

Rectangle A: _____
Rectangle B: _____
Composite Figure: _____

Write the rule for this pattern:

2, 6, 18, 54, 162

Add. Show answer in simplest form.

$$6\frac{3}{4} + 9\frac{2}{5} =$$

Multiply:

$$\begin{array}{r} 3,206 \\ \times\quad 28 \\ \hline \end{array}$$

Find the value:

68.1 x 0.24

Find the volume of the composite figure below.

9 ft

6 ft

6 ft   12 ft

27 ft

Simpson Middle School
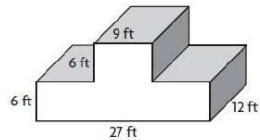
Subtract:

$$8\frac{3}{5} - 1\frac{1}{2} =$$

7 1/10

Find the area of each rectangle, then find the area of the entire combined shape.

20 ft

12 ft

7 ft

8 ft   8 ft

34 ft

Rectangle A: ___240 sq ft___
Rectangle B: ___272 sq ft___
Composite Figure: ___512 sq ft___

Write the rule for this pattern:

2, 6, 18, 54, 162

multiply by 3

Add. Show answer in simplest form.

$$6\frac{3}{4} + 9\frac{2}{5} =$$

16 3/20

Multiply:

    3,206
x   28
  89,768

Find the value:

68.1 x 0.24

16.344

Find the volume of the composite figure below.

9 ft

6 ft

6 ft   12 ft

27 ft

2,592 cu ft