

GET READY

FOR

6TH GRADE

PRINTABLE MINI-BOOKLET

Jennifer Findley

get
READY
FOR 6TH
GRADE

Name: _____

Date: _____

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Name: _____

Date: _____

Ratios

Write a ratio for each situation.

1. Tom's mother buys 6 apples for every 2 bananas.
2. For every hour that she reads, Micaela reads 26 pages.
3. James travels 20 miles for every 30 minutes that he drives.
4. Blake has four cap erasers for every 2 pencils that he owns.

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Ratios

Complete the ratio.

1. $6 : 2 = 12 : \underline{\hspace{2cm}}$

2. $3 : 15 = \underline{\hspace{2cm}} : 30$

3. $12 : 24 = 6 : \underline{\hspace{2cm}}$

4. $1 : 3 = \underline{\hspace{2cm}} : 15$

5. $4 : 5 = 12 : \underline{\hspace{2cm}}$

6. $9 : 2 = 63 : \underline{\hspace{2cm}}$

7. $2 : 3 = \underline{\hspace{2cm}} : 9$

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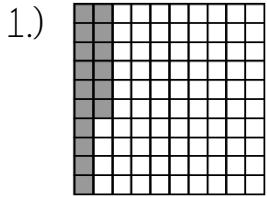
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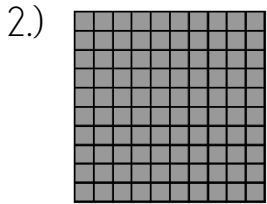
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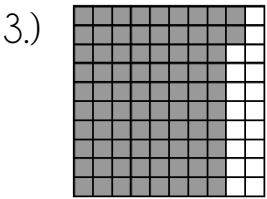
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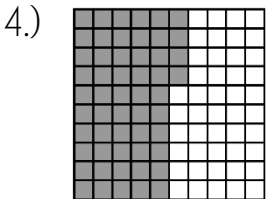
Percent

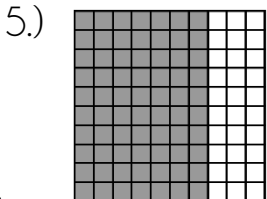
Determine the percent shown by the model.





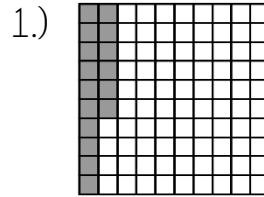


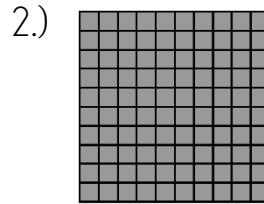


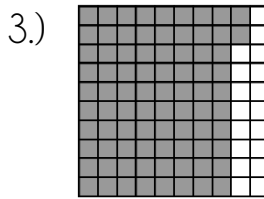


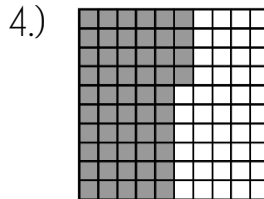
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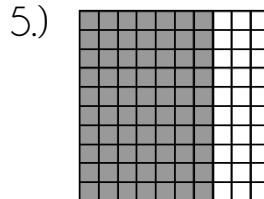
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Percent of 100

Find the percent of each number.

1. Jessica has 58 cents. What percentage of a dollar does she have?
2. Stephan saved \$100 over the course of a year. He spent 45% on a new pair of shoes. How much money did he spend?
3. There are 100 people at a concert. Seventy-three people are women. What percentage of the people at the concert are women? What percentage of the people are men?

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Dividing Fractions

Divide the fractions. Write your answer in simplest form.

1. $\frac{2}{3} \div \frac{2}{3} =$ _____

2. $\frac{1}{8} \div \frac{2}{3} =$ _____

3. $\frac{3}{4} \div \frac{2}{3} =$ _____

4. $\frac{1}{2} \div \frac{3}{4} =$ _____

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Dividing Whole Numbers

Divide using the traditional algorithm.

1.) $42,456 \div 36 =$

2.) $7,456 \div 215 =$

3.) $14,362 \div 72 =$

4.) $63,512 \div 118 =$

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Decimal Operations

Solve using the traditional algorithm.

1.) $16.9562 + 1,526.93 =$

2.) $35.2 - 9.526 =$

3.) $13.95 \times 35.351 =$

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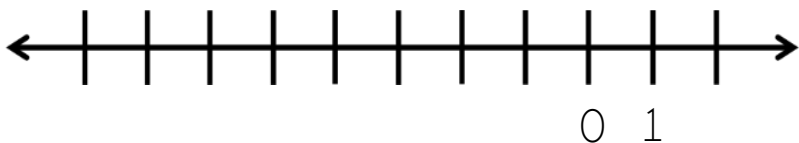
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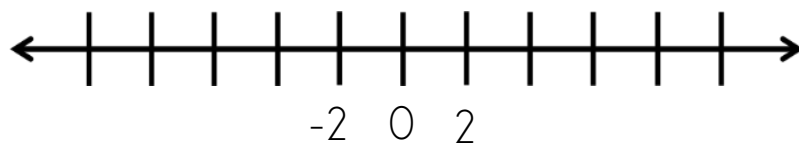
Negative Numbers

Complete the number lines.

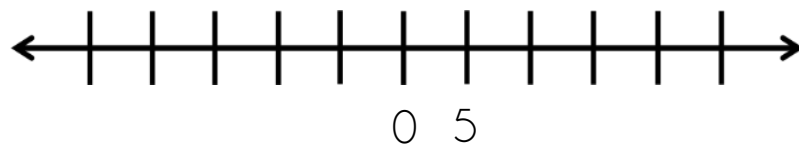
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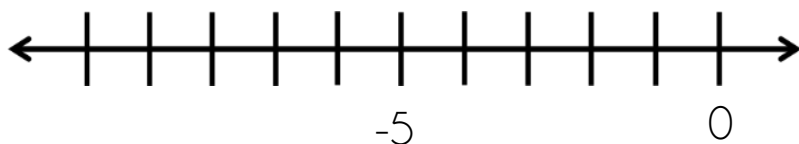
2.)



3.)



4.)

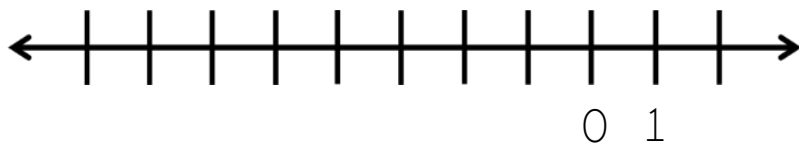


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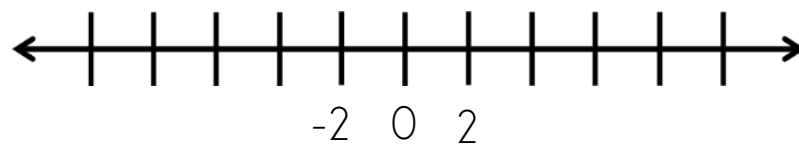
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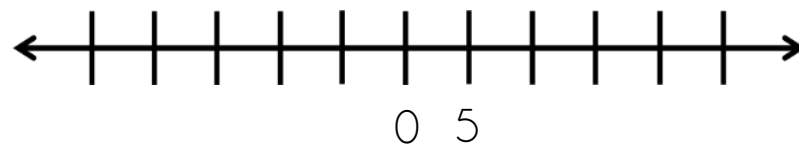
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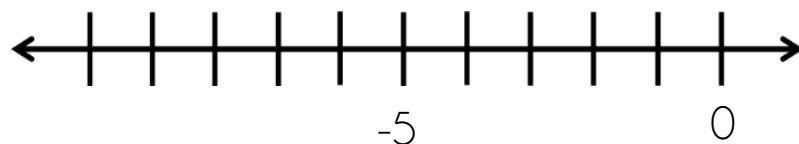
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8

Algebraic Expressions

Write each expression as a algebraic expression.

- 1.) 6.5 more than s
- 2.) t increased by 11
- 3.) 8 times p decreased by 11
- 4.) The difference of 22 and e
- 5.) The sum of 12 and the product of s and 4

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Evaluating Expressions

Evaluate each expression when $x = 6$ and $y = 8$.

1.) $22x + 14$

2.) $15x - 3y$

3.) $(x + 72) \div 2$

4.) $xy + 32$

5.) $12x \div y$

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Solving for Variables

Determine the value of x in each equation.

1.) $3x + 15 = 27$

2.) $5x = 155$

3.) $2x + 14 = 30$

4.) $4x - 12 = 36$

5.) $2x \div 6 = 5$

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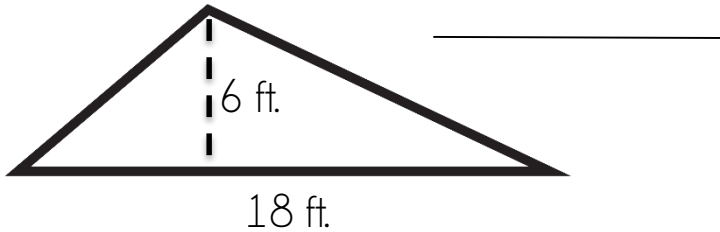
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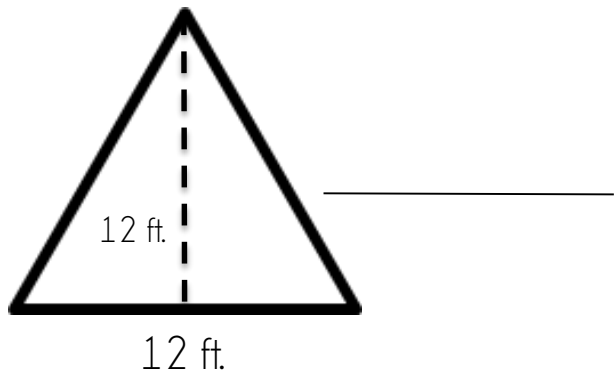
Area of Triangles

Determine the area of each triangle using the formula. Area = $\frac{1}{2} \times \text{base} \times \text{height}$.

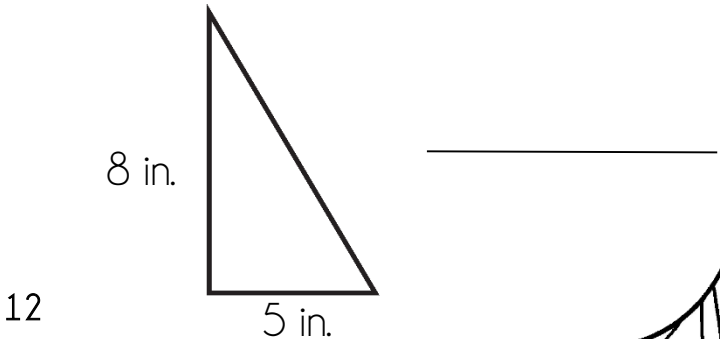
1.)



2.)



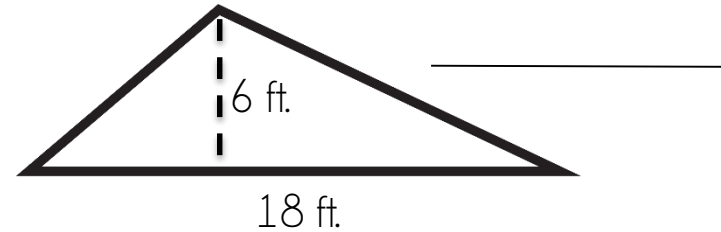
3.)



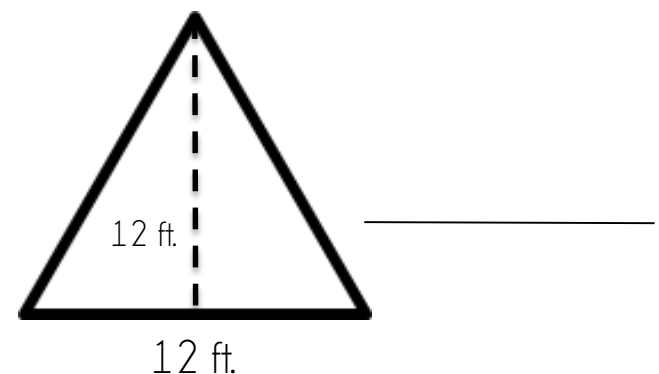
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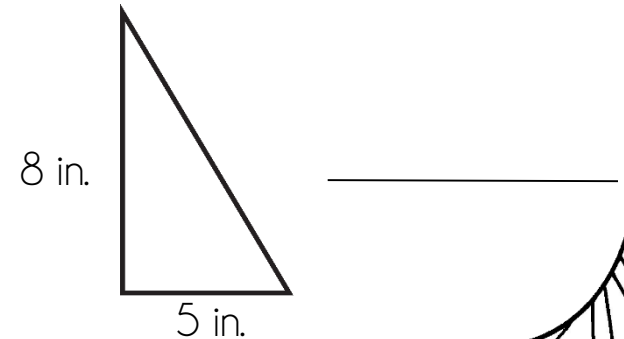
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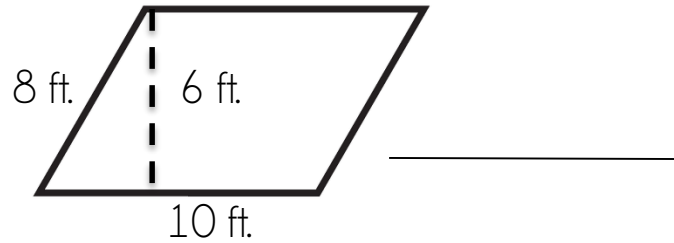
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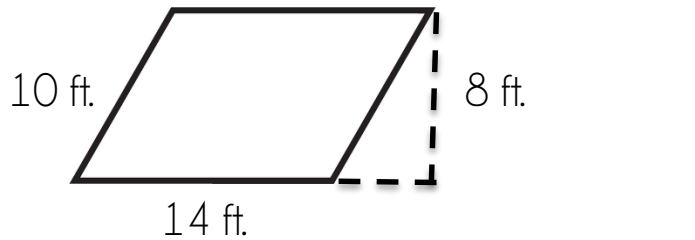
Area of Parallelograms

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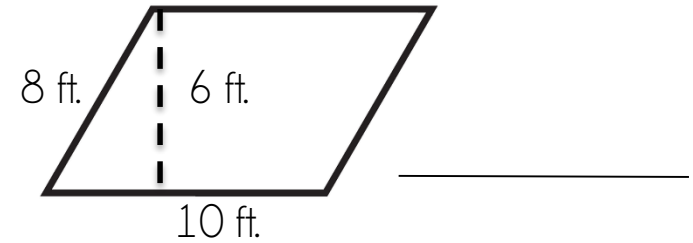
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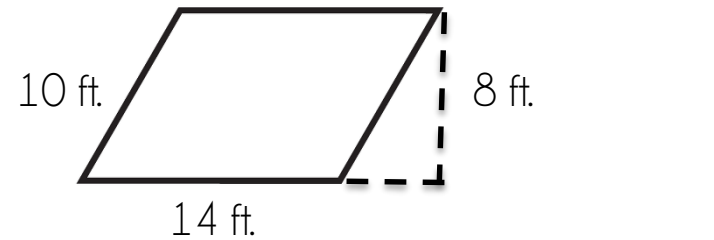
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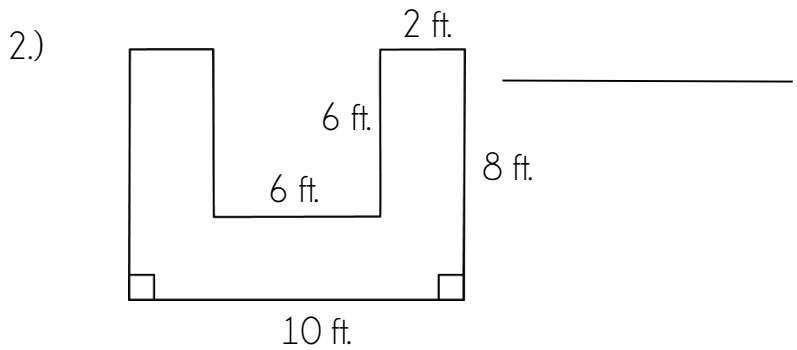
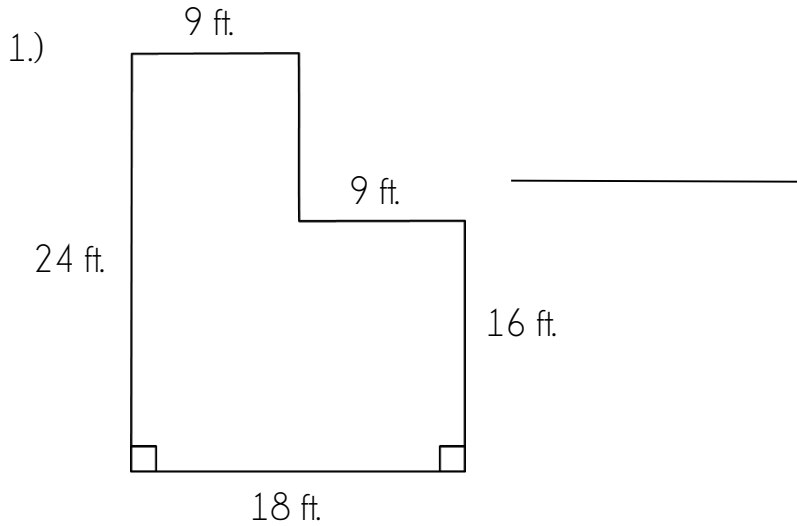


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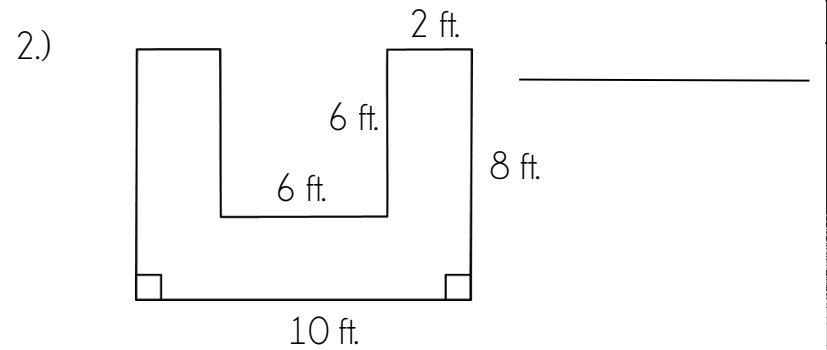
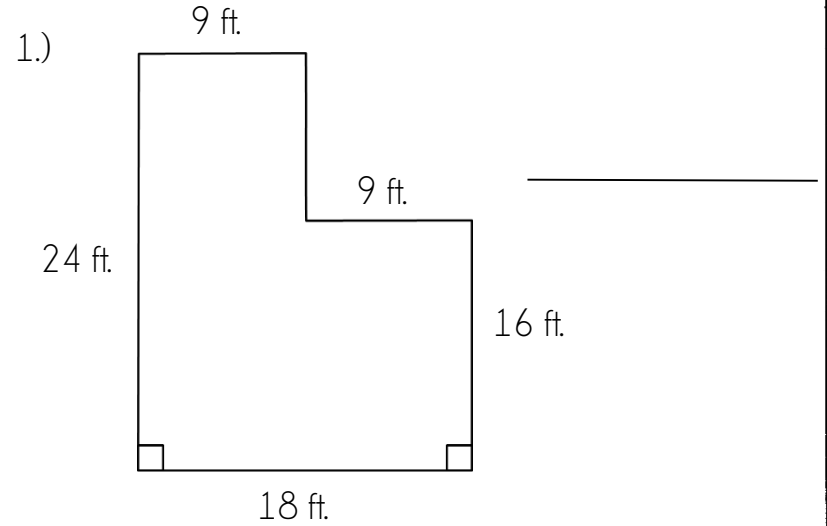
Area of Irregular Polygons

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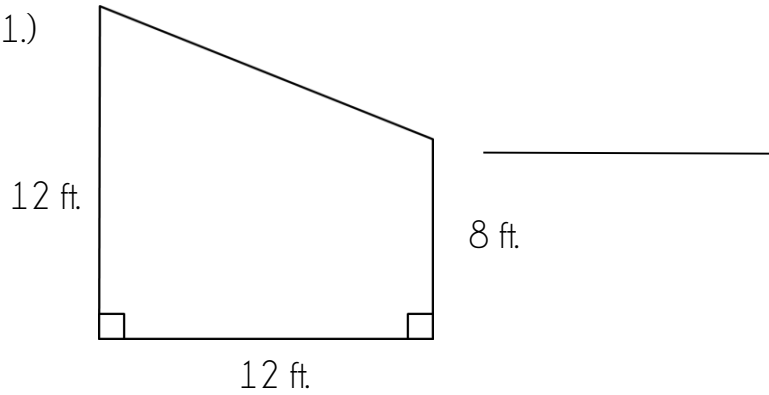
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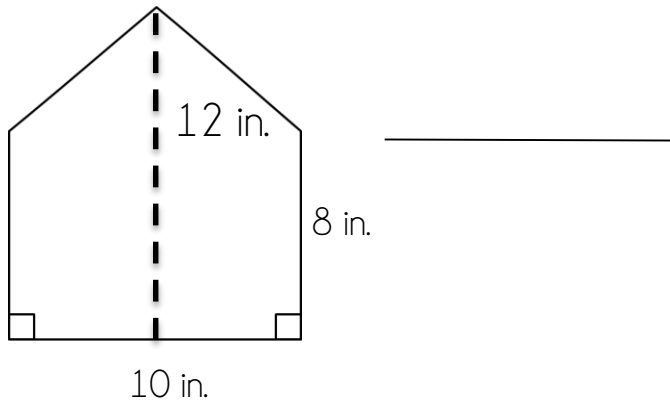
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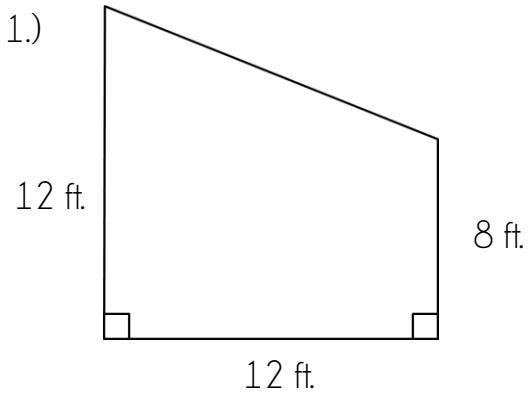
2.)



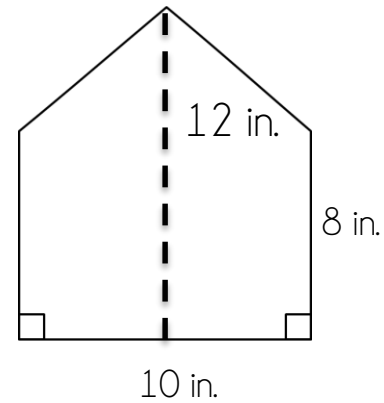
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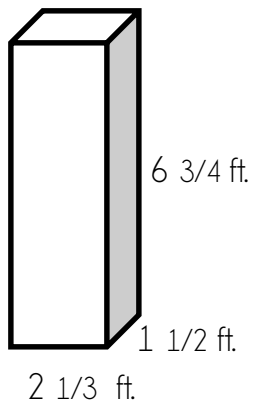
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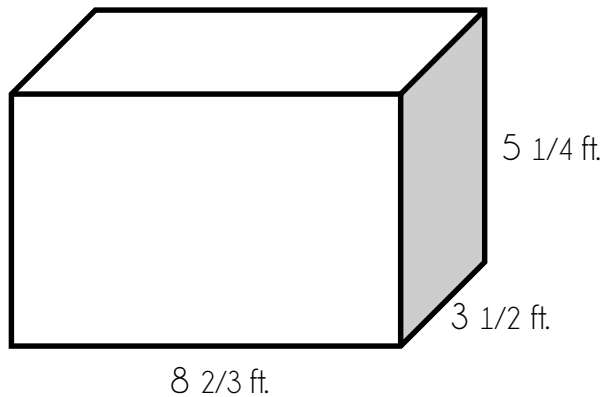
Volume

Determine the volume of each right rectangular prism.

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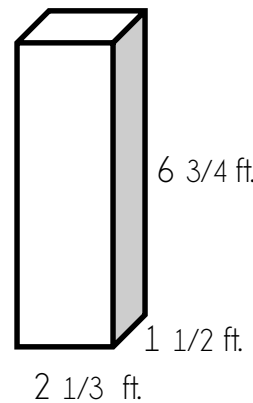
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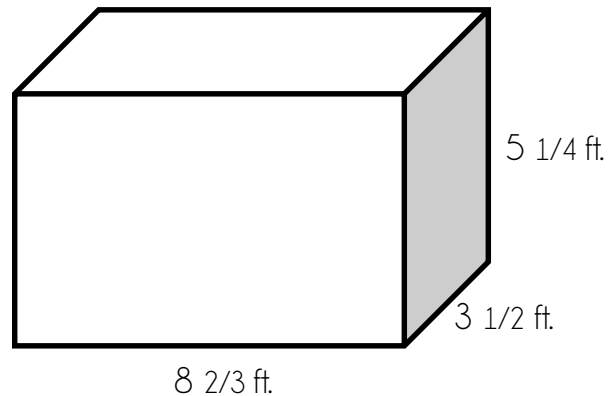
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3-D Nets

Draw the net for each three dimensional object.

- 1.) cube
- 2.) rectangular prism
- 3.) triangular pyramid
- 4.) triangular prism
- 5.) pentagonal pyramid

3-D Nets

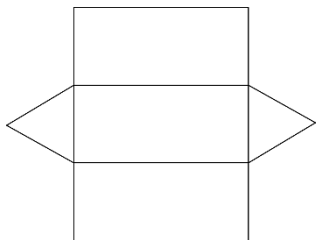
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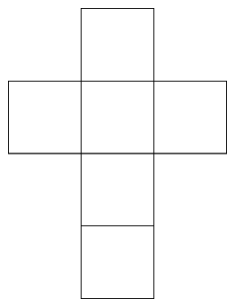
3-D Nets

Name the three dimensional shape whose net is shown.

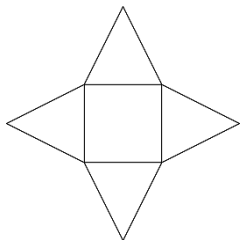
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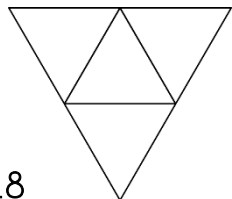
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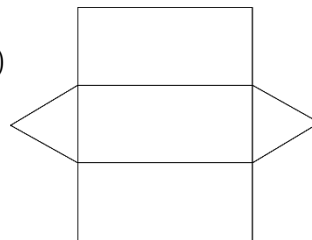
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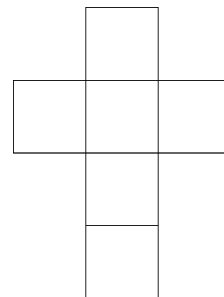
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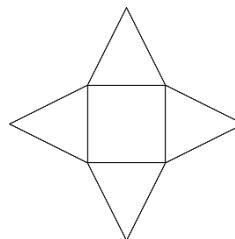
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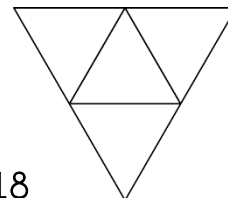
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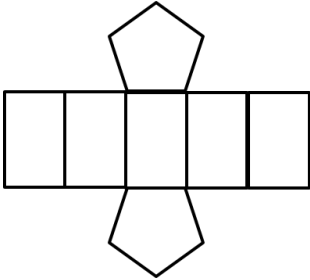
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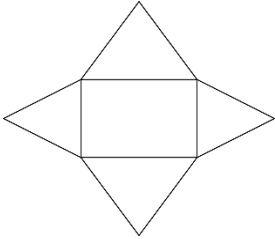
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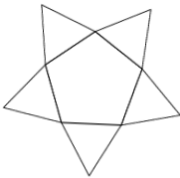
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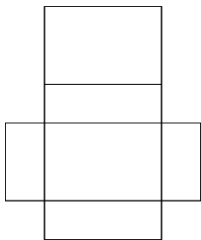
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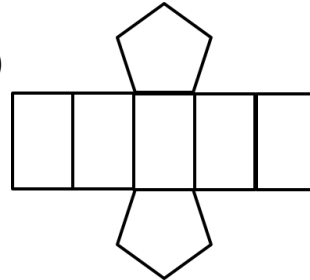
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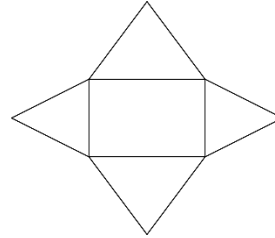
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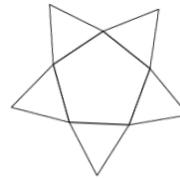
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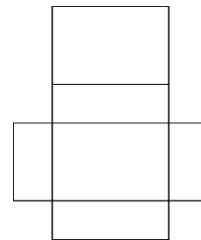
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4.)



Finding the Mean

Determine the mean for each set of numbers.

1.) 6, 3, 5, 4, 2, 3, 5

2.) 12, 12, 14, 13, 13, 14

3.) 18, 19, 20, 19, 18, 19, 20

4.) 25, 24, 25, 25, 25, 26

5.) 2, 4, 3, 4, 4, 2, 5, 8

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1.) 6, 3, 5, 4, 2, 3, 5

2.) 12, 12, 14, 13, 13, 12

3.) 18, 17, 17, 19, 18, 19, 20

4.) 25, 24, 23, 25, 25, 26

5.) 2, 4, 3, 4, 4, 2, 5, 12

Measures of Central Tendency

Determine the median, mode, and range of each data set.

1.) 2, 3, 2, 2, 1, 4, 3

2.) 10, 8, 8, 9, 9, 10, 10

3.) 3, 3, 4, 6, 4, 3, 6, 7

4.) 11, 11, 10, 11, 11, 10, 9

5.) 6, 6, 5, 4, 6, 6, 7, 5, 4

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2.) 10, 8, 8, 9, 9, 10, 10

3.) 3, 3, 4, 6, 4, 3, 6, 7

4.) 11, 11, 10, 11, 11, 10, 9

5.) 6, 6, 5, 4, 6, 6, 7, 5, 4