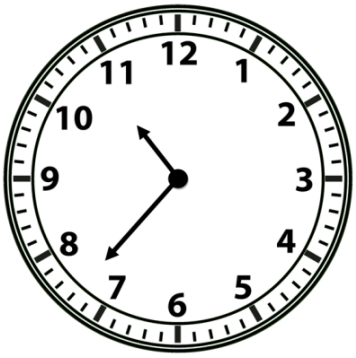
Name: 3.MD.1

Directions: Solve each problem.

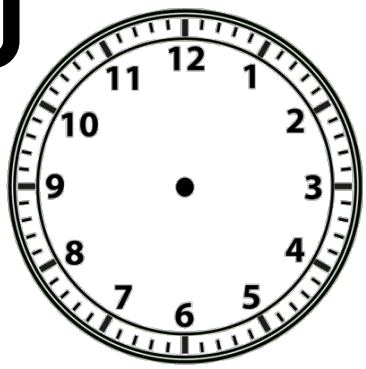
What time does the clock show if it is in the morning?



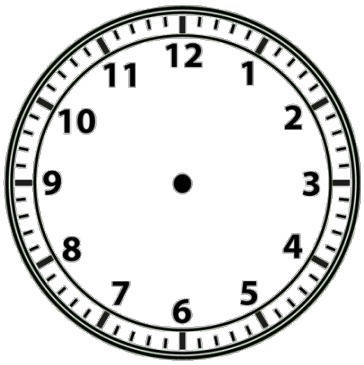
_____

Draw the time on the clock.

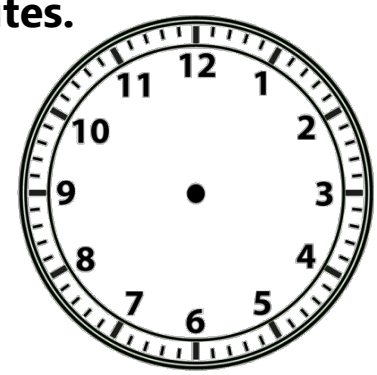
3:09



It is 8:27 a.m. Draw the hands on the clock to show what time it will be in 48 minutes.



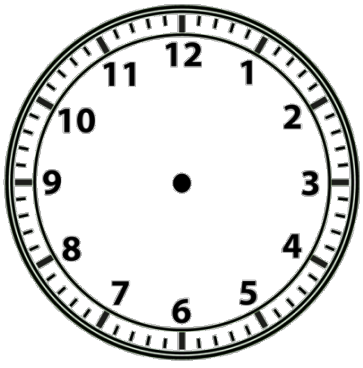
It is 5:46 p.m. Draw the hands on the clock to show what time it will be in 1 hour and 35 minutes.



Nick's baseball game started at 7:30 p.m. If the game lasted 2 hours and 14 minutes, what time did Nick's baseball game end?

_____

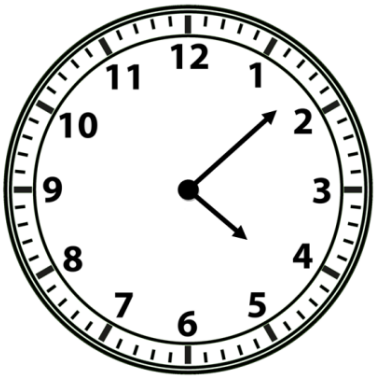
Draw the time on the clock.



Name: **3.MD.1**

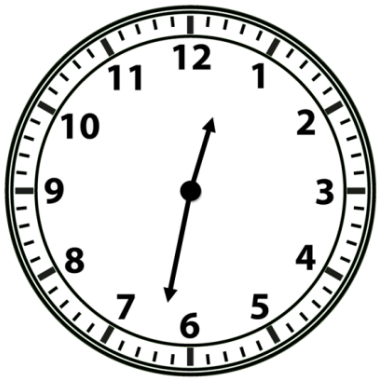
Telling Time & Elapsed Time

1. **What time does the clock show if it is in the evening?**



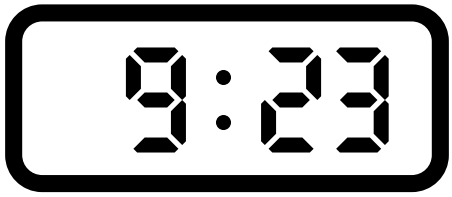
_____

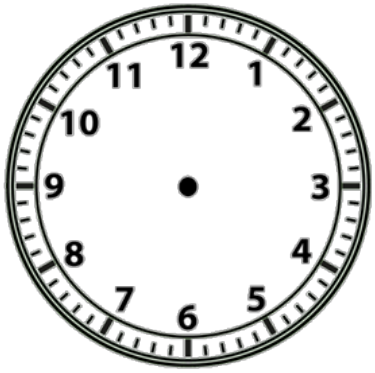
2. **What time does the clock show if it is in the morning?**



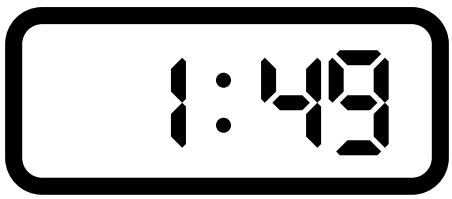
_____

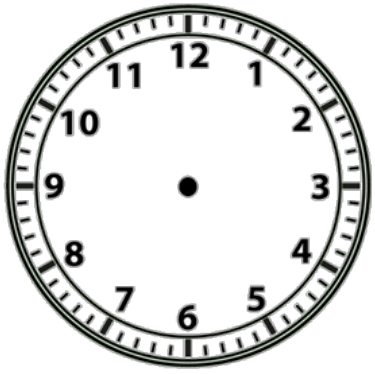
3. **Draw the time on the clock.**





4. **Draw the time on the clock.**

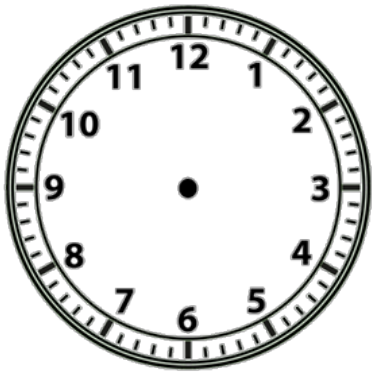




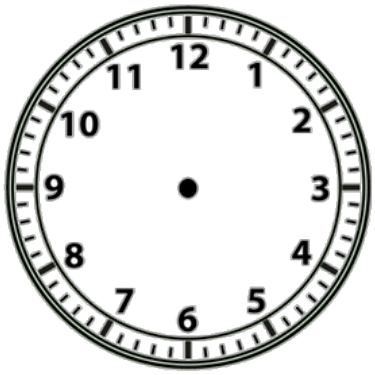
Name: **3.MD.1**

Telling Time & Elapsed Time

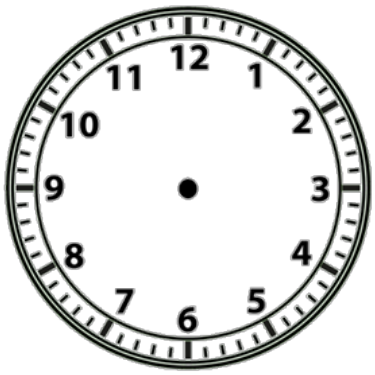
1. **It is 7:13 a.m. Draw the hands on the clock to show what time it will be in 1 hour and 28 minutes.**



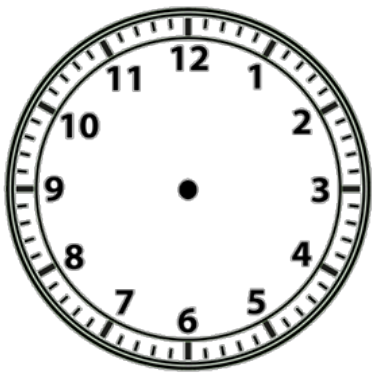
2. **It is 3:56 p.m. Draw the hands on the clock to show what time it will be in 2 hours and 5 minutes.**



3. **Seth's baseball game started at 6:15 p.m. If the game lasted 2 hours and 9 minutes, what time did Seth's baseball game end? _____ Draw the time on the clock.**



4. **Mike went for a run for 1 hour and 24 minutes. If he finished at 12:05 p.m., what time did he start? _____ Draw the time on the clock.**



Name: **3.MD.2**

Directions: Solve each problem.

What is the best unit to use to measure the mass of a bowling ball?

a) kilogram
b) gram
c) liter
d) milliliter

What is the best unit to use to measure the volume of liquid in a water tower?

a) kilogram
b) gram
c) liter
d) milliliter

Ruby the horse weighs 513 kilograms, and Becky the goat weighs 136 kilograms. How much more does Ruby weigh than Becky?

_____

Molly needs to fill up her fish tank with water. The tank holds 36 liters of water. The pitcher she is using holds 4 liters. How many times will Molly need to fill up her pitcher to fill the fish tank?

_____

Does a tennis ball most likely have a mass of 58 grams or 58 kilograms? _____

Does a spoon most likely contain 14 milliliters of water or 14 liters of water? _____

Name: **3.MD.2**

Mass & Volume

1. **What is the best unit to use to measure the mass of a nickel?**
    a) kilogram
    b) gram
    c) liter
    d) milliliter

2. **What is the best unit to use to measure the mass of a beaver?**
    a) kilogram
    b) gram
    c) liter
    d) milliliter

3. **What is the best unit to use to measure the volume of liquid in a dose of medicine?**
    a) kilogram
    b) gram
    c) liter
    d) milliliter

4. **Does an adult kangaroo most likely have a mass of 60 grams or 60 kilograms?** _____

5. **Does a football most likely have a mass of 400 grams or 400 kilograms?** _____

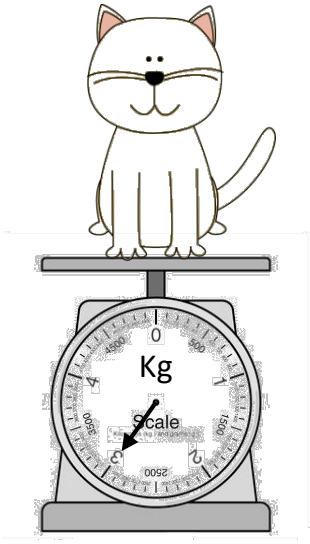
6. **Does a watering can most likely contain 7 milliliters of water or 7 liters of water?** _____

Name: **3.MD.2**

Mass & Volume

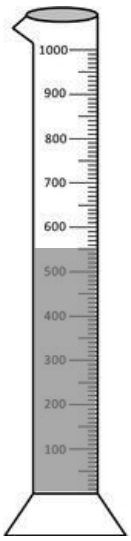
1. **What is the mass of the cat?**

_____



2. **Write the amount in milliliters.**

_____



3. **Rita watered her garden for 6 minutes with a garden hose. Did she most likely use 180 liters or 180 milliliters?**

_____

4. **Daisy the cow weighs 751 kilograms, and her calf weighs 128 kilograms. How much more does Daisy weigh than her calf?**

_____

5. **Kim needs to fill up her fish tank with water. The tank holds 24 liters of water. The pitcher she is using holds 4 liters. How many times will Kim need to fill up her pitcher to fill the fish tank?**

_____

6. **Doug has 9 marbles that each have a mass of 5 grams. What is the mass of all of his marbles?**

_____

Name: 3.MD.3

Directions: Solve each problem.

Draw a picture graph and a bar graph using the following data.

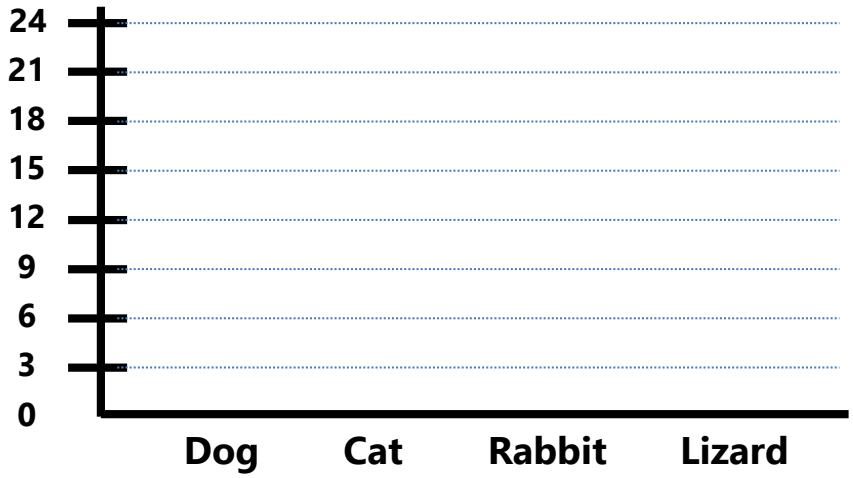
Favorite Pet	Votes
Dog	18
Cat	21
Rabbit	3
Lizard	9

Favorite Pet

Dog	
Cat	
Rabbit	
Lizard	

● = 3 votes

Favorite Pet



Answer each question using the graphs.

1. How many students took the survey? _____
2. How many votes did cat receive? _____
3. How many more people voted for dogs than for lizards? _____
4. What pet received 3 votes? _____

Name: **3.MD.3**

Picture Graph

Directions: Draw a picture graph using the following data.

Tigers – 16 hits; Blue Birds – 8 hits;
Eagles – 22 hits; Bearcats – 12 hits

Number of Hits for the High School Baseball Tournament

Tigers	
Blue Birds	
Eagles	
Bearcats	

= 4 hits

Directions: Answer each question using the picture graph.

1. Which team had the most hits? _____
2. Which team had the fewest hits? _____
3. How many more hits did the Tigers have than the Blue Birds? _____
4. How many hits did the Bearcats have? _____
5. How many hits did the Eagles and the Tigers have altogether? _____
6. How many teams had more than 10 hits? _____

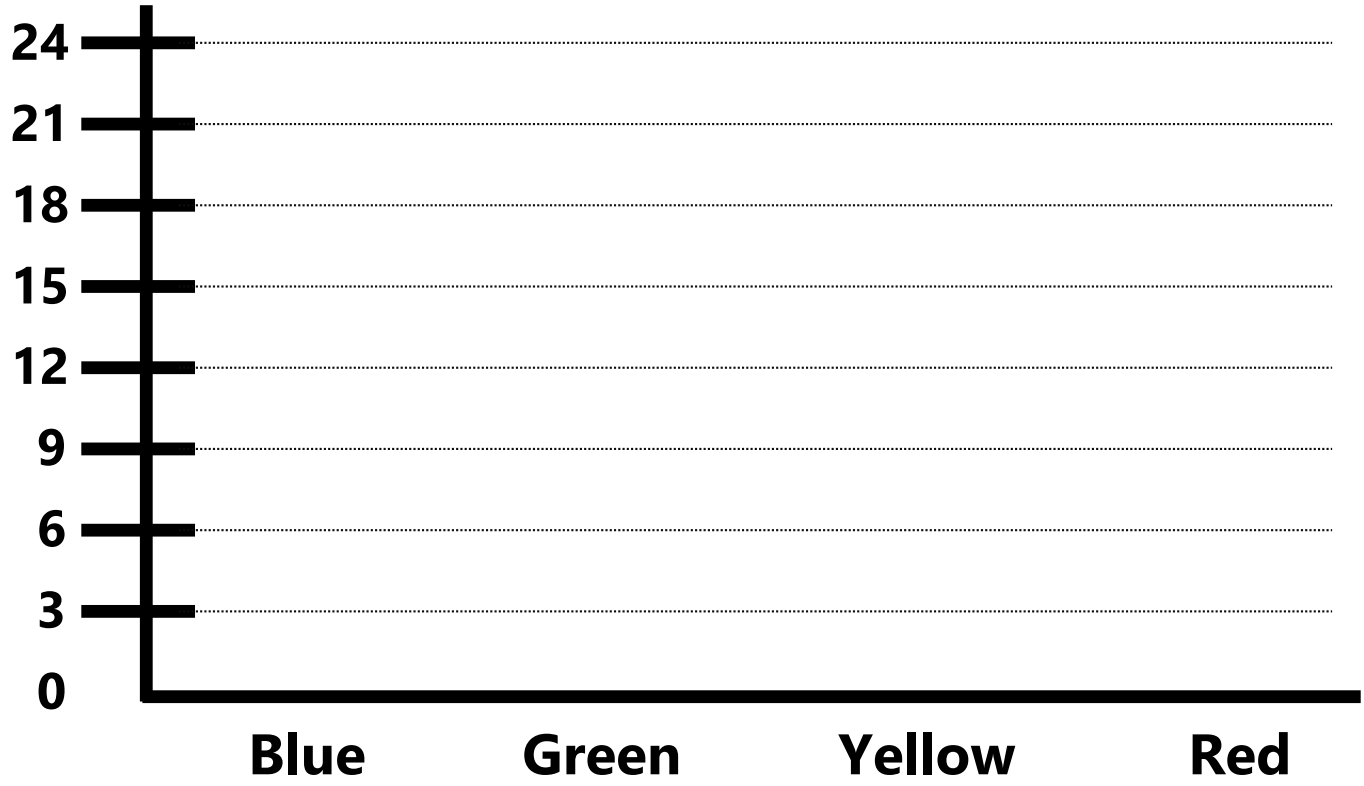
Name: **3.MD.3**

Bar Graph

Directions: Complete the bar graph using the following data.

Blue – 9 votes; Green – 24 votes;
Yellow – 15 votes; Red – 6 votes

Students' Favorite Colors



Directions: Answer each question using the bar graph.

1. How many students took the survey? _____
2. How many votes did the color yellow receive? _____
3. How many more students voted for green than for blue? _____
4. What color received 6 votes? _____
5. How many votes did yellow and blue receive altogether? _____
6. How many more students voted for yellow than for red? _____

Name: 3.MD.4

Directions: Measure each line in to the nearest quarter inch, record each measurement in the table below, and plot each measurement on the line plot.

#1

#2

#3

#4

#5

#6

#7

#8

#9

#10

#11

#12

Name of Item Measured	Length in Inches
Line #1	
Line #2	
Line #3	
Line #4	
Line #5	
Line #6	
Line #7	
Line #8	
Line #9	
Line #10	
Line #11	
Line #12	

Length of Objects in Inches

Name: **3.MD.4**

Measurement Data & Line Plots

Directions: Measure each line in to the nearest quarter inch, record each measurement in the table below, and plot each measurement on the line plot.

#1

#2

#3

#4

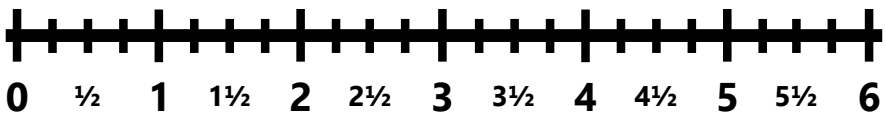
#5

#6

#7

#8

Name of Item Measured	Length in Inches
Line #1	
Line #2	
Line #3	
Line #4	
Line #5	
Line #6	
Line #7	
Line #8	



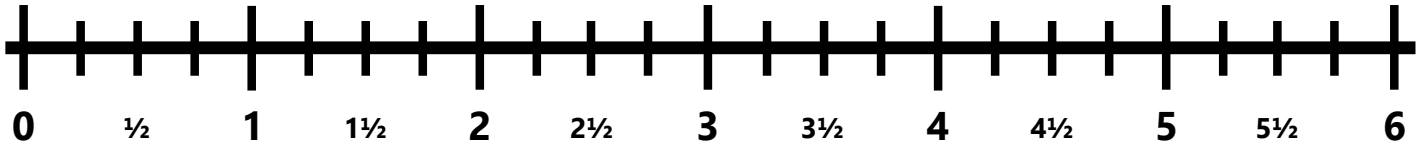
Length of Objects in Inches

Name: **3.MD.4**

Measurement Data & Line Plots

Directions: Find 10 items in the classroom that are shorter than 6 inches. Record the name of each object, measure each object to the nearest quarter inch, record each measurement on the line to the right, and plot each measurement on the line plot.

	Name	Length
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		



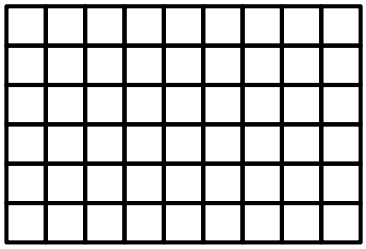
Length of Objects in Inches

Name:

3.MD.5

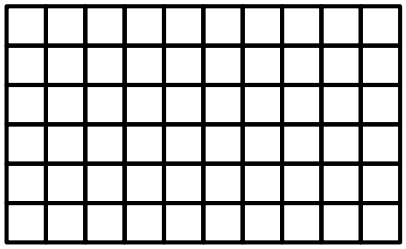
Directions: Solve each problem.

This is 1 square unit ☐ . Find the area of the figure.



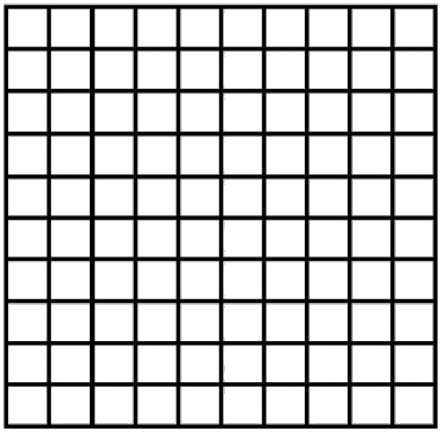
Area: _____

This is 1 square unit ☐ . Find the area of the figure.

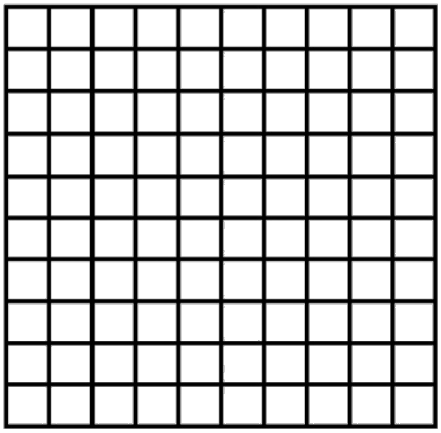


Area: _____

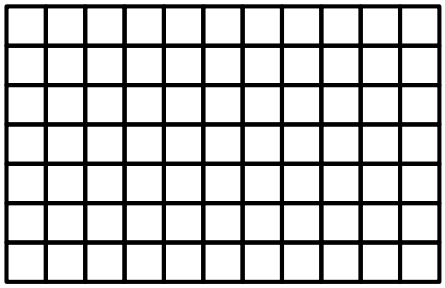
Shade in 34 square units.



Shade in 52 square units.



This is 1 square unit ☐ . Find the area of the figure.

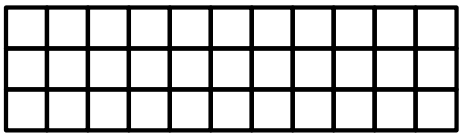


Area: _____

Name: **3.MD.5**

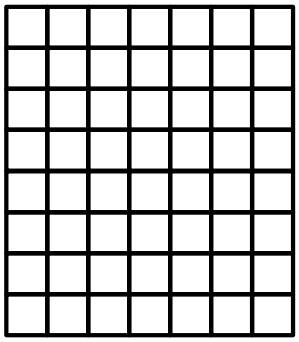
Understanding Area

1. **This is 1 square unit ☐ . Find the area of the figure.**



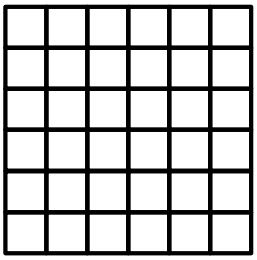
Area: _____

2. **This is 1 square unit ☐ . Find the area of the figure.**



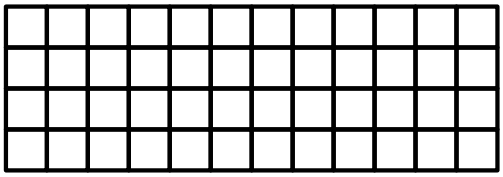
Area: _____

3. **This is 1 square unit ☐ . Find the area of the figure.**



Area: _____

4. **This is 1 square unit ☐ . Find the area of the figure.**

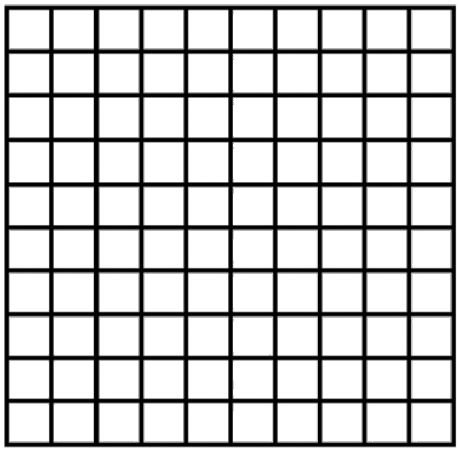


Area: _____

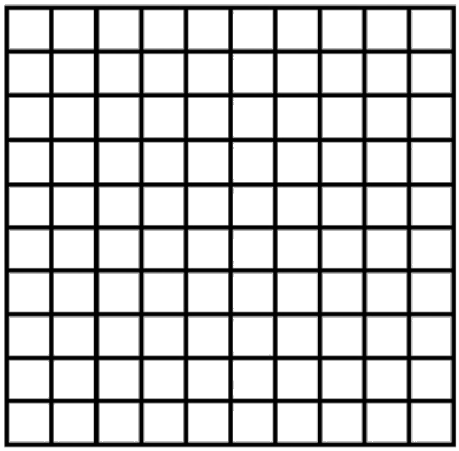
Name: **3.MD.5**

Understanding Area

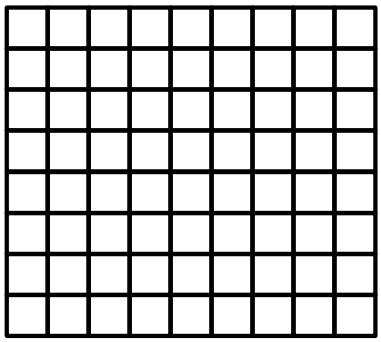
1. **Shade in 26 square units.**



2. **Shade in 45 square units.**

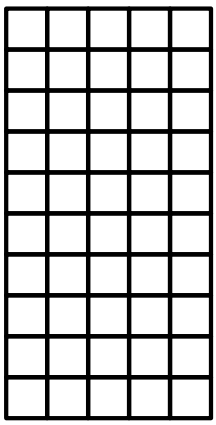


3. **This is 1 square unit ☐ . Find the area of the figure.**



Area: _____

4. **This is 1 square unit ☐ . Find the area of the figure.**

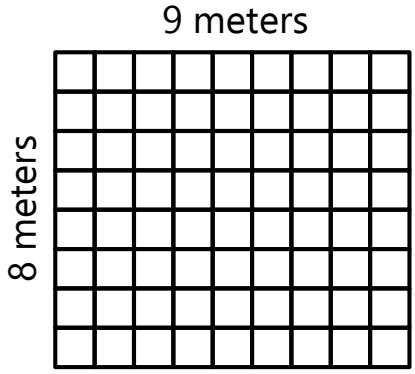


Area: _____

Name: 3.MD.6

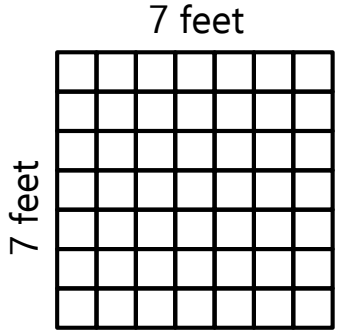
Directions: Solve each problem.

Find the area of the figure.



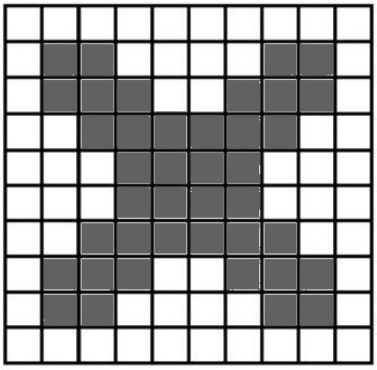
Area: _____

Find the area of the figure.



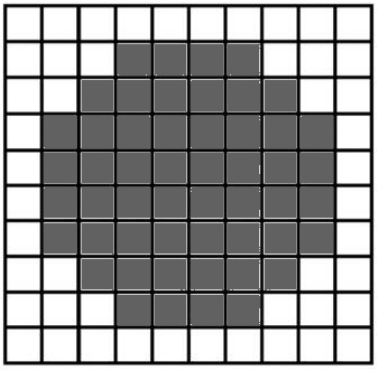
Area: _____

This is 1 square unit ☐. Find the area of the figure.



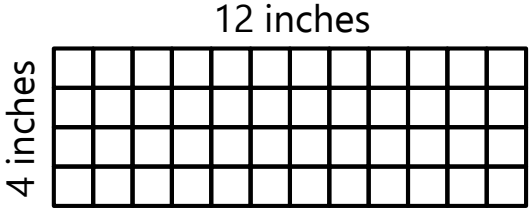
Area: _____

This is 1 square unit ☐. Find the area of the figure.



Area: _____

Find the area of the figure.

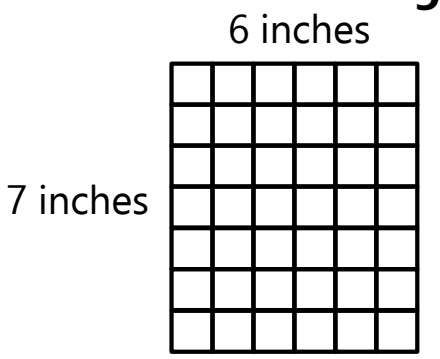


Area: _____

Name: **3.MD.6**

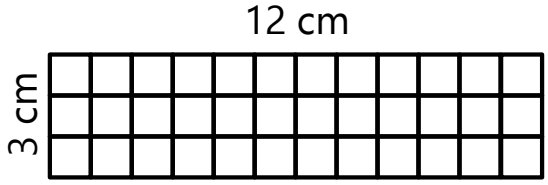
Area with Square Units

1. **Find the area of the figure.**



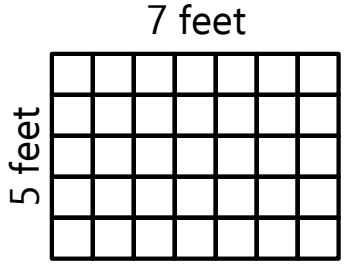
Area: _____

2. **Find the area of the figure.**



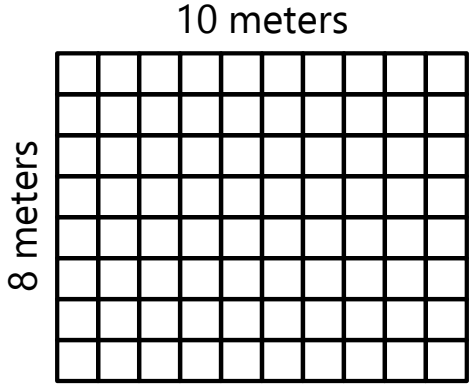
Area: _____

3. **Find the area of the figure.**



Area: _____

4. **Find the area of the figure.**

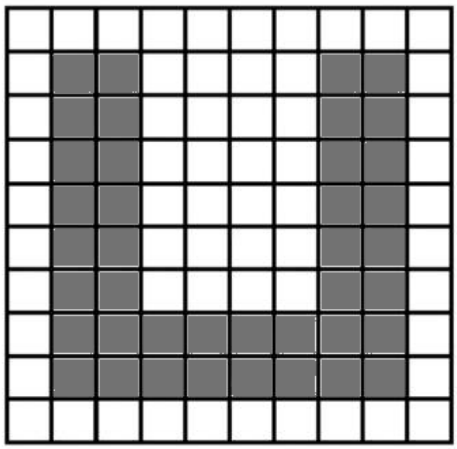


Area: _____

Name: **3.MD.6**

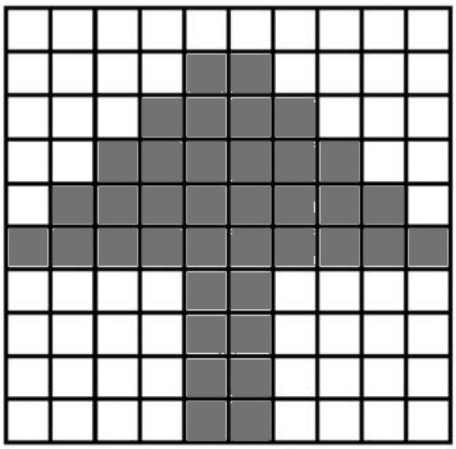
Area with Square Units

1. **This is 1 square unit ☐. Find the area of the shaded figure.**



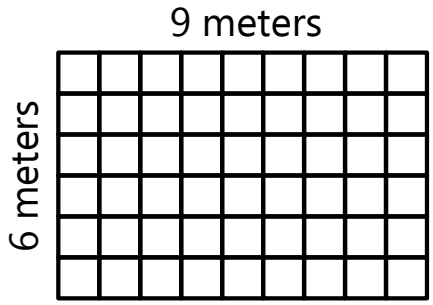
Area: _____

2. **This is 1 square unit ☐. Find the area of the shaded figure.**



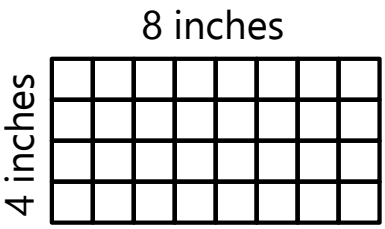
Area: _____

3. **Find the area of the figure.**



Area: _____

4. **Find the area of the figure.**

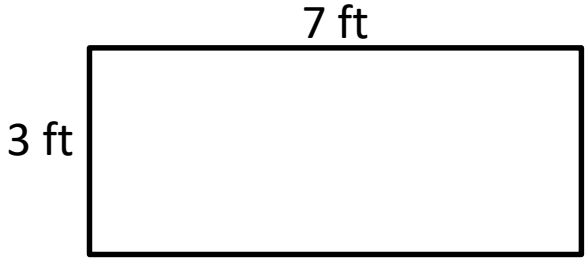


Area: _____

Name: 3.MD.7

Directions: Solve each problem.

Tile the rectangle to show its area. Write an addition sentence and solve.

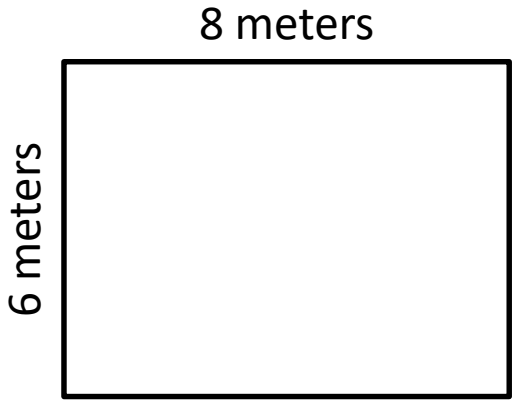


_____

Jen's kitchen is 5 feet wide and 11 feet long. What is the area of Jen's kitchen?

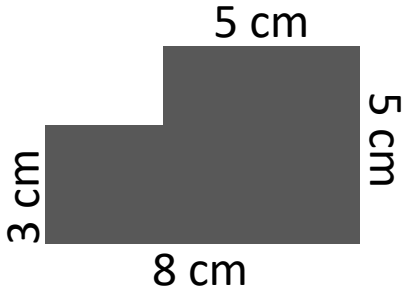
_____

Find the area.



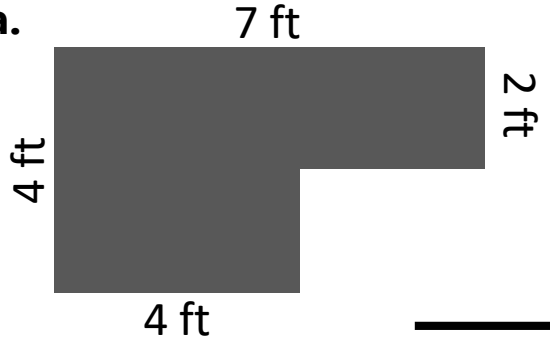
_____

Find the area.



_____

Find the area.

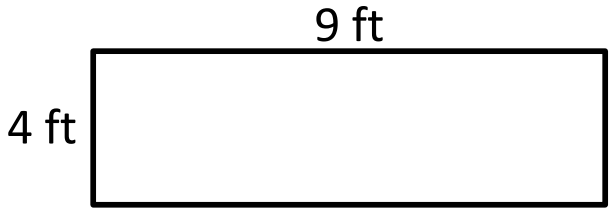


_____

Name: **3.MD.7**

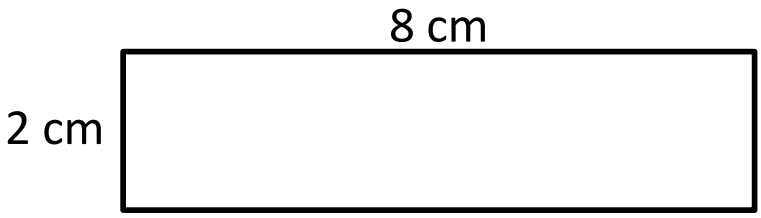
Area: Relating to Multiplication & Addition

1. **Tile the rectangle to show its area. Write an addition sentence and solve.**



_____

2. **Tile the rectangle to show its area. Write an addition sentence and solve.**



_____

3. **Solve each word problem.**

Beth's kitchen is 9 feet wide and 8 feet long. What is the area of Beth's kitchen?

_____

Isaac's math book is 12 inches wide and 7 inches long. What is the area of Isaac's math book?

_____

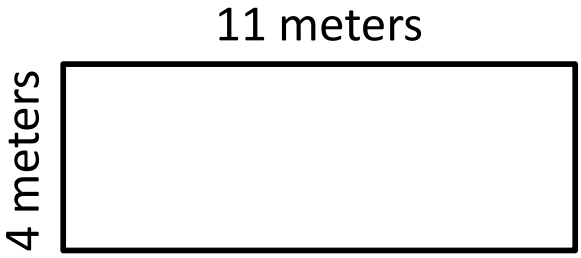
Ana's favorite sticker is 7 centimeters wide and 3 centimeters long. What is the area of Ana's favorite sticker?

_____

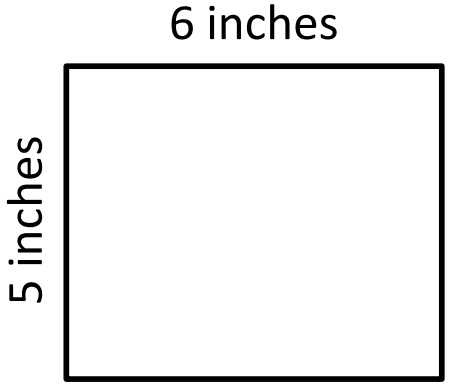
Name: **3.MD.7**

Area: Relating to Multiplication & Addition

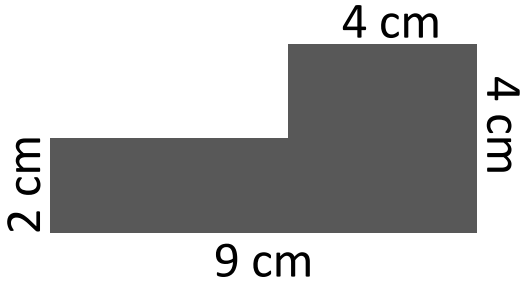
Directions: Find the area to each problem.



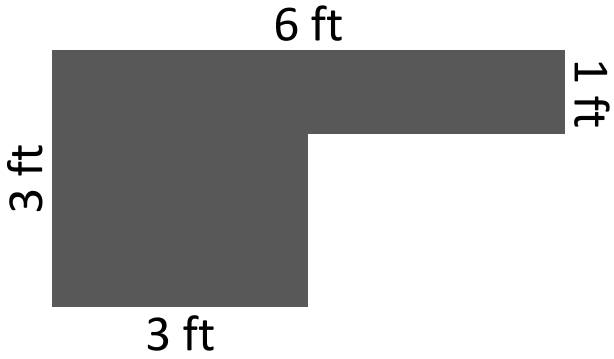
_____



_____



_____

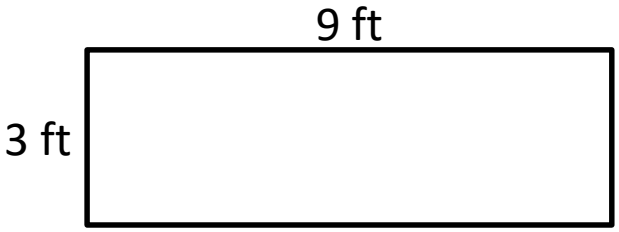


_____

Name: **3.MD.8**

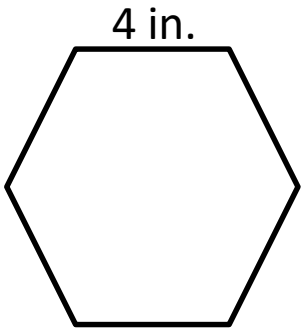
Directions: Solve each problem.

Find the perimeter of the polygon.



_____

Find the perimeter of the polygon.



_____

A square has 4 equal sides. Each side is 8 centimeters long. What is the perimeter?

_____

Abby's bedroom is 7 feet long and 8 feet wide. What is the perimeter of Abby's bedroom?

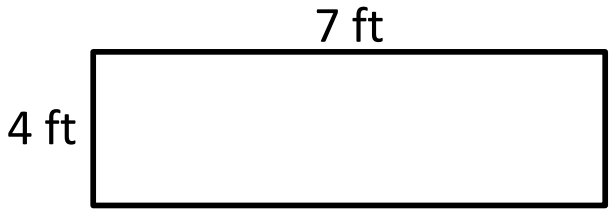
_____

Draw your own polygon, and label the length of each side in order to have a perimeter of 26 meters.

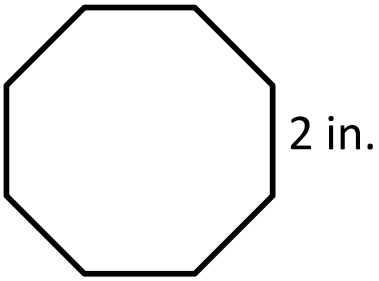
Name: **3.MD.8**

Perimeter

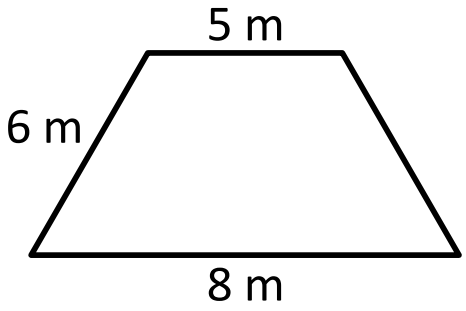
1. **Find the perimeter of each polygon.**



_____



_____



_____

2. **Solve each word problem.**

A triangle has 3 equal sides. Each side is 8 centimeters long. What is the perimeter?

_____

A rectangle has a width of 9 meters and a length of 6 meters. What is the perimeter?

_____

Name: **3.MD.8**

Perimeter

1. **Solve each word problem.**

   Ethan's hot tub is an equal-sided hexagon. Each side measures 3 feet. What is the perimeter of Ethan's hot tub? _____

   Abby's garage is 8 meters long and 6 meters wide. What is the perimeter of Abby's garage? _____

2. **Draw your own polygon, and label the length of each side in order to have a perimeter of 32 feet.**

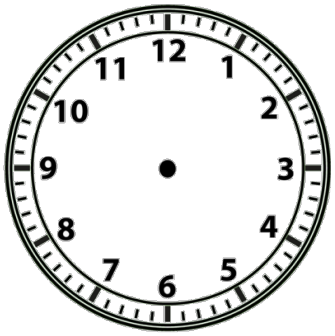
3. **Draw your own polygon, and label the length of each side in order to have a perimeter of 40 feet.**

Name: **MD Test**

Measurement & Data Test

3.MD.1

It is 11:49 a.m. Draw the hands on the clock to show what time it will be in 52 minutes.



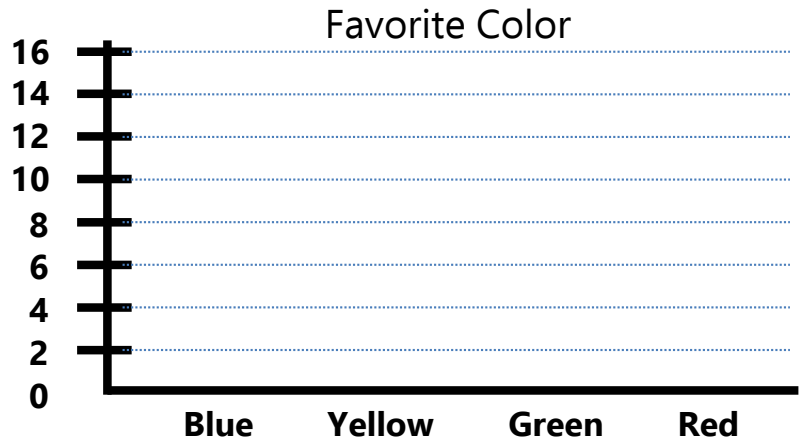
3.MD.2

Roger had 164 grams of chocolate chips. He ate 96 grams of chocolate chips. How many grams of chocolate chips does he have left?

_____

3.MD.3 Draw a bar graph using the following data.

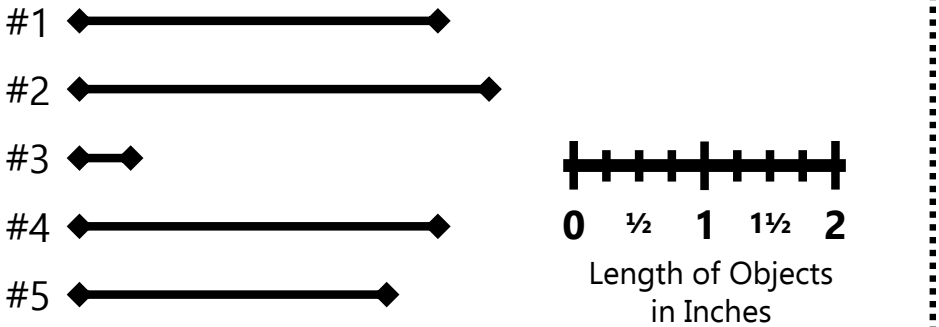
Favorite Color	Votes
Blue	8
Yellow	5
Green	13
Red	12



1. How many students took the survey? _____
2. How many more people voted for green than for blue? _____

3.MD.4 Measure each line, record each measurement, and plot each measurement on the line plot.

Name of Item Measured	Length in Inches
Line #1	
Line #2	
Line #3	
Line #4	
Line #5	

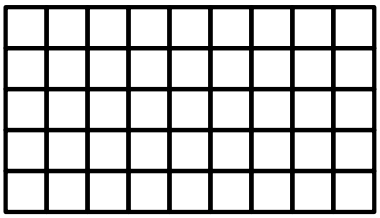


Name: **MD Test**

Measurement & Data Test

3.MD.5

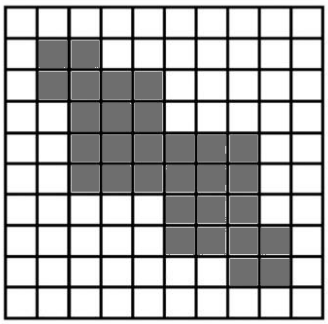
This is 1 square unit ☐. Find the area of the figure.



Area: _____

3.MD.6

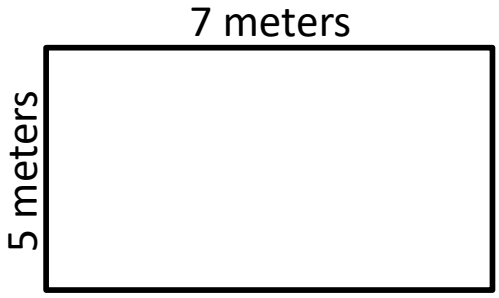
This is 1 square unit ☐. Find the area of the figure.



Area: _____

3.MD.7

Find the area.



_____

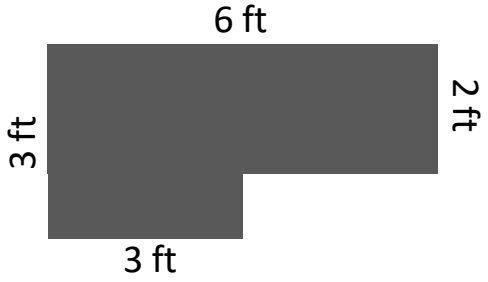
3.MD.7

Troy's living room is 9 feet wide and 8 feet long. What is the area of Troy's living room?

_____

3.MD.7

Find the area.



_____

3.MD.8

An octagon has 8 equal sides. Each side is 4 inches long. What is the perimeter?

_____