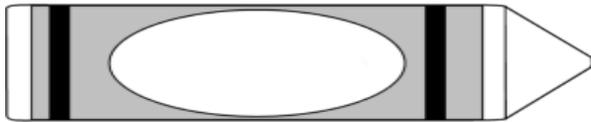


Name:

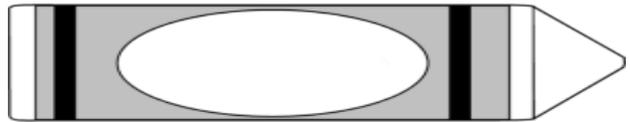
2.MD.1

Directions: Solve each problem.

Measure the length of the objects in inches.



Measure the length of the objects in centimeters.



What measurement tool would you use to measure the length of the notebook?

- A. Ruler
- B. Yard stick or Meter stick
- C. Measuring Tape

Measure the length of _____ using the appropriate unit. Circle the appropriate measurement tool.

- A. Ruler
- B. Yard stick or Meter stick
- C. Measuring Tape

Length: _____

Measure the length of the objects in inches.



Measure the length of the objects in centimeters.



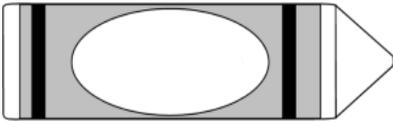
Name:

2.MD.1

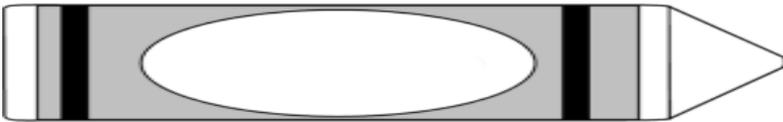
Measuring Objects

1. Measure the length of the objects in inches.







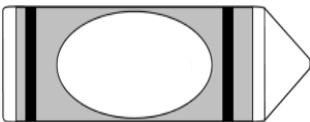


2. Measure the length of the objects in centimeters.









Name:

2.MD.1

Measuring Objects

- 1. What measurement tool would you use to measure the length of the classroom?**
 - A. Ruler
 - B. Yard stick or Meter stick
 - C. Measuring Tape
- 2. What measurement tool would you use to measure the length of your shoe?**
 - A. Ruler
 - B. Yard stick or Meter stick
 - C. Measuring Tape
- 3. Measure the length of your worksheet using the appropriate unit. Circle the appropriate measurement tool.**
 - A. Ruler
 - B. Yard stick or Meter stick
 - C. Measuring Tape

Length of worksheet: _____

- 3. Measure the width of your desk using the appropriate unit. Circle the appropriate measurement tool.**
 - A. Ruler
 - B. Yard stick or Meter stick
 - C. Measuring Tape

Width of desk: _____

Name:

2.MD.2

Directions: Solve each problem.

Measure and record the length of _____ to the nearest centimeter. Measure and record it to the nearest inch.

_____ centimeters
_____ inches

Measure and record the length of _____ to the nearest foot. Measure and record it to the nearest yard.

_____ feet
_____ yards

If you measure the length of the school in units of feet and then in units of yards, will the number of feet or the number of yards be greater?

The number of _____ will be greater.

If you measure the length of your foot in units of inches and then in units of centimeters, will the number of inches or the number of centimeters be greater?

The number of _____ will be greater.

Does it make more sense to measure the length of a playground to the nearest inch or to the nearest foot? Why?

Name:

2.MD.2

Measuring Objects

1. Measure and record the length of your pencil to the nearest centimeter. Measure and record it to the nearest inch.

_____ centimeters

_____ inches

2. Measure and record the length of a book to the nearest centimeter. Measure and record it to the nearest inch.

_____ centimeters

_____ inches

3. Measure and record the length of the whiteboard to the nearest foot. Measure and record it to the nearest yard.

_____ feet

_____ yards

4. Measure and record the length of a bulletin board to the nearest inch. Measure and record it to the nearest foot.

_____ inches

_____ feet

Name:

2.MD.2

Measuring Objects

1. What is longer an inch or a foot? _____

2. What is longer a yard or foot? _____

3. What is longer a centimeter or an inch? _____

4. What is longer a meter or a centimeter? _____

5. If you measure the length of the classroom in units of feet and then in units of yards, will the number of feet or the number of yards be greater?

The number of _____ will be greater.

6. If you measure the length of your hand in units of inches and then in units of centimeters, will the number of inches or the number of centimeters be greater?

The number of _____ will be greater.

7. Does it make more sense to measure the length of a soccer field to the nearest inch or to the nearest foot? Why?

Name:

2.MD.3

Directions: Solve each problem.

Estimate the length of a crayon.

- a) 9 cm
- b) 9 inches
- c) 9 feet
- d) 9 meters

Estimate the width of a door.

- a) 3 cm
- b) 3 inches
- c) 3 feet
- d) 3 meters

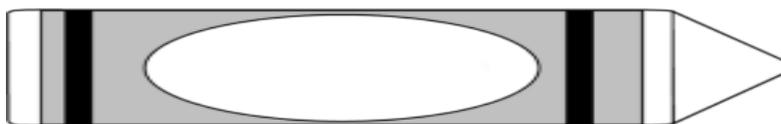
Estimate the height of a refrigerator.

- a) 2 cm
- b) 2 inches
- c) 2 feet
- d) 2 yards

Estimate the length of a post-it note.

- a) 3 cm
- b) 3 inches
- c) 3 feet
- d) 3 yards

Estimate the length. Then, measure to find the actual length.



Estimate: _____ inches

Actual: _____ inches

Name:

2.MD.3

Estimating Lengths

1. Estimate the length of a pencil.

- a) 7 cm
- b) 7 inches
- c) 7 feet
- d) 7 meters

2. Estimate the length of a car.

- a) 14 cm
- b) 14 inches
- c) 14 feet
- d) 14 meters

3. Estimate the length of a computer.

- a) 15 cm
- b) 15 inches
- c) 15 feet
- d) 15 meters

4. Estimate the length of a baseball bat.

- a) 3 cm
- b) 3 inches
- c) 3 feet
- d) 3 meters

5. Estimate the length of a baseball field.

- a) 106 cm
- b) 106 inches
- c) 106 feet
- d) 106 meters

Name:

2.MD.3

Estimating Lengths

1. Estimate the length. Then, measure to find the actual length.



Estimate: _____ centimeters

Actual: _____ centimeters

2. Estimate the length. Then, measure to find the actual length.



Estimate: _____ centimeters

Actual: _____ centimeters

3. Estimate the length. Then, measure to find the actual length.



Estimate: _____ inches

Actual: _____ inches

4. Estimate the length. Then, measure to find the actual length.



Estimate: _____ inches

Actual: _____ inches

Name:

2.MD.4

Directions: Solve each problem.

Measure the length of your glue bottle in centimeters. Measure the length of your piece of paper in centimeters. Record the two measurements. What is the difference between the two measurements?

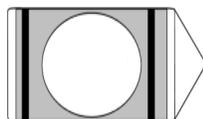
Length of glue bottle: _____

Length of piece of paper: _____

Difference: _____

The length of a basketball court is 84 feet long, and the length of a volleyball court is 59 feet long. How much longer is a basketball court than a volleyball court?

Measure the length of the objects in inches.



_____ inches



_____ inches

What is the difference between the two objects?

_____ inches

Choose two things to measure. Record the two items and their measurements. What is the difference between the two measurements?

Item name: _____ Item length: _____

Item name: _____ Item length: _____

Difference: _____

Name: _____

2.MD.4

Comparing Lengths

1. **Measure the length of your book. Measure the length of your piece of paper. Record the two measurements. What is the difference between the two measurements?**

Length of pencil: _____

Length of piece of paper: _____

Difference: _____

2. **Choose two things to measure. Record the two items and their measurements. What is the difference between the two measurements?**

Item name: _____ Item length: _____

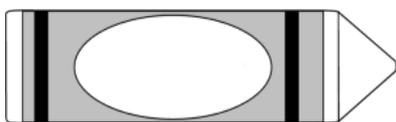
Item name: _____ Item length: _____

Difference: _____

3. **Measure the length of the objects in inches.**



_____ inches



_____ inches

What is the difference between the two objects?

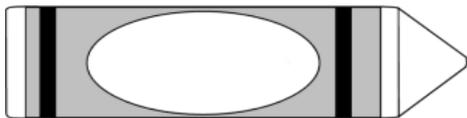
_____ inches

Name:

2.MD.4

Comparing Lengths

1. Measure the length of the objects in centimeters.



_____ cm

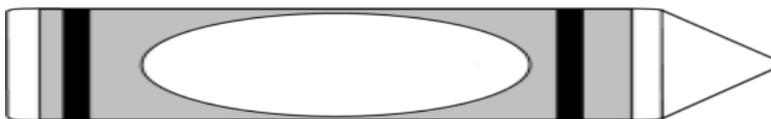


_____ cm

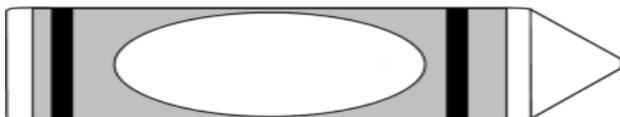
What is the difference between the two objects?

_____ cm

2. Measure the length of the objects in centimeters.



_____ cm



_____ cm

What is the difference between the two objects?

_____ cm

3. Julie's scissors are 11 centimeters long, and Ashton's scissors are 23 centimeters long. How much longer are Ashton's scissors than Julie's scissors?

4. Jackson's back yard is 85 yards wide, and Luke's backyard is 67 yards wide. How much wider is Jackson's backyard than Julie's backyard?

Name:

2.MD.5

Directions: Solve each problem.

Ellie ran for 48 yards, and Kayla ran for 36 yards. How far did they run altogether?

Lila's bunny hopped 18 feet, and her kitten ran 43 feet. How much farther did Lila's kitten travel than her bunny?

Theresa is 52 inches tall, and her younger brother is 39 inches tall. How tall are Theresa and her brother combined?

Audrey had 45 feet of ribbon, and her friend had an unknown amount 'x'. Altogether they had 84 feet of ribbon. What is 'x'?

Justin swam 71 meters, and Aaron swam 55 meters. How much farther did Justin swim than Aaron?

Name:

2.MD.5

Word Problems Involving Lengths

Directions: Solve each word problem.

1. Ellie skipped for 32 feet, and Amber skipped for 25 feet. How far did they skip altogether?

2. Chelsea's book is 18 centimeters tall, and Reece's book is 13 centimeters tall. How much taller is Chelsea's book than Reece's book?

3. Addie had 29 feet of ribbon, and her friend had an unknown amount 'x'. Altogether they had 53 feet of ribbon. What is 'x'?

4. Ryan's turtle crawled 17 inches, and his frog hopped 26 inches. What is the total distance that his turtle and frog traveled?

5. Avery's backyard is 28 meters wide, and Chloe's backyard is 35 meters wide. How wide are Avery's and Chloe's backyards combined?

6. James was running on the football field. He started running on the 14-yard line and ran 'x' number of yards before he stopped on the 42-yard line. What is 'x'?

Name:

2.MD.5

Word Problems Involving Lengths

Directions: Solve each word problem.

- 1. Mason's shoelaces are 58 inches long, and Oliver's shoelaces are 44 inches long. How much longer are Mason's shoelaces than Oliver's shoelaces?**

- 2. Harper's school is 82 yards wide, and Dylan's school is 63 yards wide. How much wider is Harper's school than Dylan's school?**

- 3. Kayla is playing golf. She needs to hit the ball an unknown distance 'd' to get to the hole. Her first shot goes 68 yards, and her second shot goes 27 yards and lands in the hole. What is 'd'?**

- 4. Brooklyn's backpack is 46 cm tall, and Sarah's backpack is 49 cm tall. How tall are the girls' backpacks altogether?**

- 5. Anna ran 55 meters, and Lillian ran 35 meters. How far did the two girls run altogether?**

- 6. Landon swam 80 meters, and Brayden swam 47 meters. How much farther did Landon swim than Brayden?**

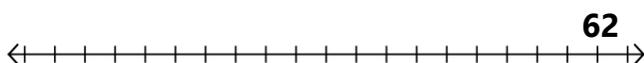
Name:

2.MD.6

Directions: Solve each problem.

Fill in the number line to solve the problem. Find the value of 'x'.

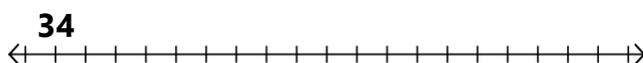
$$62 - 17 = x$$



$$x = \underline{\hspace{2cm}}$$

Fill in the number line to solve the problem. Find the value of 'x'.

$$34 + 14 = x$$



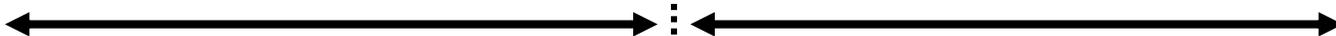
$$x = \underline{\hspace{2cm}}$$

Fill in the number line to complete the problem.

$$56 + 19 = \underline{\hspace{2cm}}$$

Fill in the number line to complete the problem.

$$81 - 23 = \underline{\hspace{2cm}}$$



Fill in the number line to complete the problem.

$$24 + 16 = \underline{\hspace{2cm}}$$



Name:

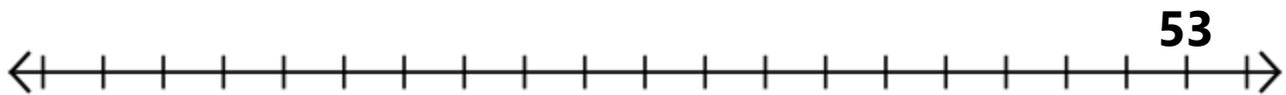
2.MD.6

Addition & Subtraction on a Number Line

Directions: Solve each problem.

1. Fill in the number line to solve the problem. Find the value of 'x'.

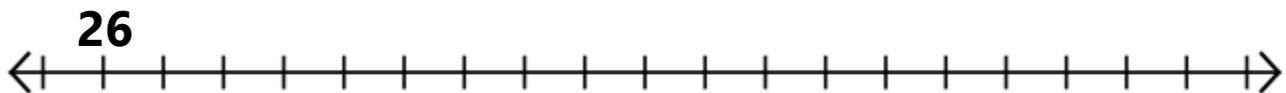
$$53 - 14 = x$$



$$x = \underline{\hspace{2cm}}$$

2. Fill in the number line to solve the problem. Find the value of 'x'.

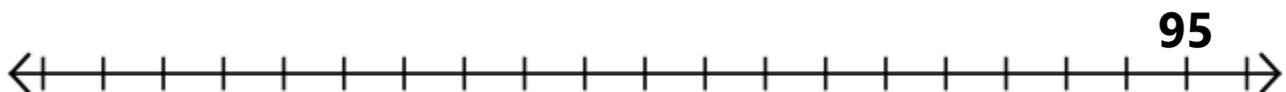
$$26 + 16 = x$$



$$x = \underline{\hspace{2cm}}$$

3. Fill in the number line to solve the problem. Find the value of 'x'.

$$95 - 18 = x$$



$$x = \underline{\hspace{2cm}}$$

Name:

2.MD.6

Addition & Subtraction on a Number Line

Directions: Solve each problem.

- 1. Fill in the number line to complete the problem.**

$$45 + 13 = \underline{\quad}$$



- 2. Fill in the number line to complete the problem.**

$$70 - 22 = \underline{\quad}$$



- 3. Fill in the number line to complete the problem.**

$$67 + 15 = \underline{\quad}$$



- 4. Fill in the number line to complete the problem.**

$$84 - 18 = \underline{\quad}$$

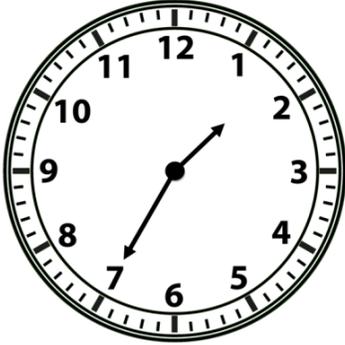


Name:

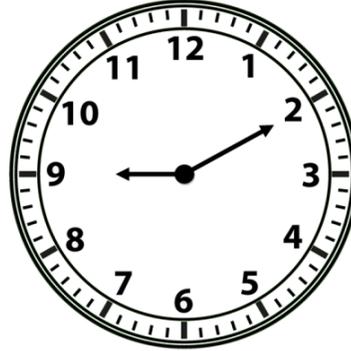
2.MD.7

Directions: Solve each problem.

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

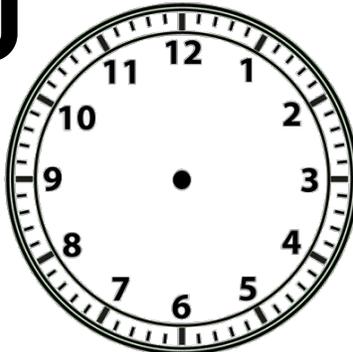


What time does the clock show if it is in the morning?



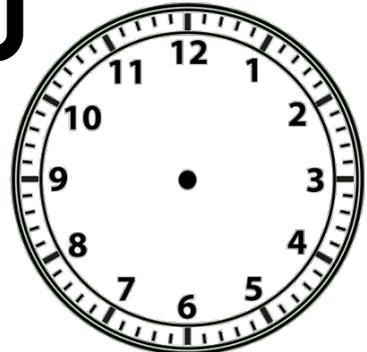
Draw the time on the clock.

6:05



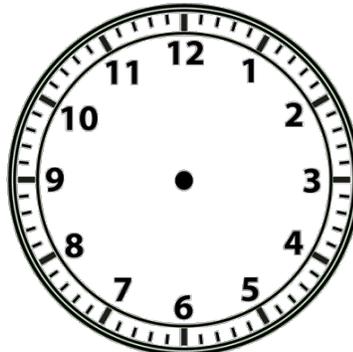
Draw the time on the clock.

11:20



Draw the time on the clock.

3:45

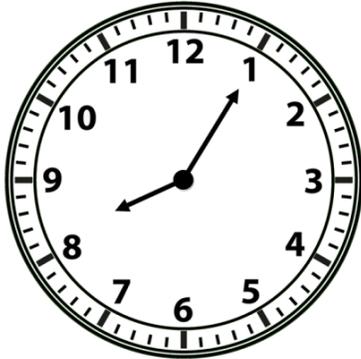


Name:

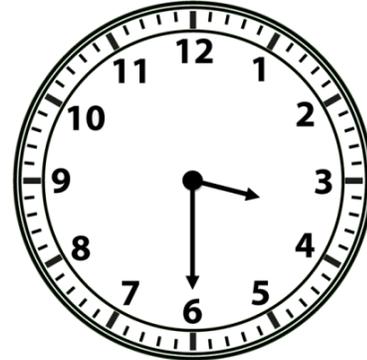
2.MD.7

Time to the Nearest Five Minutes

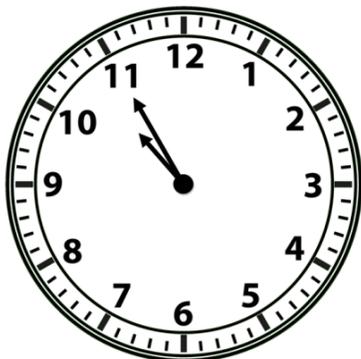
1. What time does the clock show if it is in the evening?



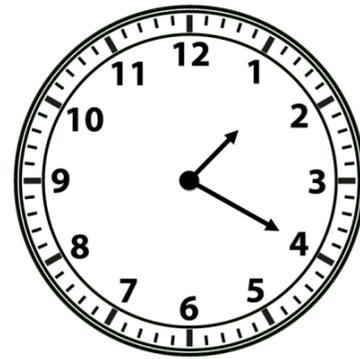
2. What time does the clock show if it is in the afternoon?



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



4. What time does the clock show if it is in the afternoon?

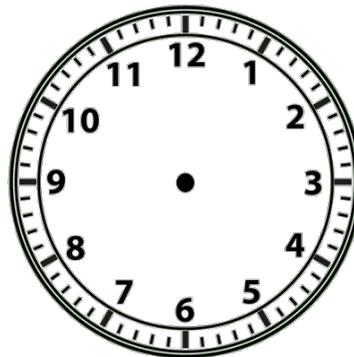


Name:

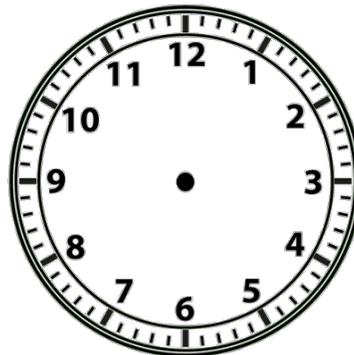
2.MD.7

Time to the Nearest Five Minutes

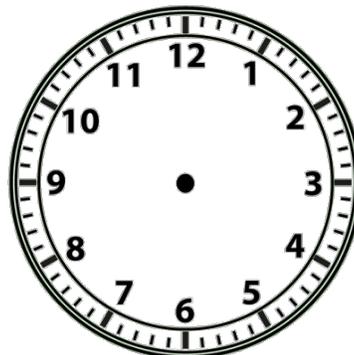
1. Draw the time on the clock.



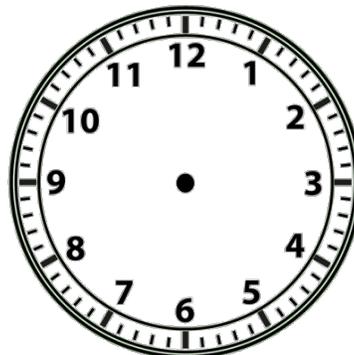
2. Draw the time on the clock.



3. Draw the time on the clock.



4. Draw the time on the clock.



Name:

2.MD.8

Directions: Solve each problem.

How much money is shown?



How much money is shown?



How much money is 2 dollar bills, 1 quarter, 2 dimes, and 3 nickels?

How much money is 4 dollar bills, 2 quarters, 2 dimes, 1 nickel, and 4 pennies?

How much money is shown?



Name: _____

2.MD.8

Money

1. How much money is shown?



\$.

2. How much money is shown?



\$.

3. How much money is shown?



\$.

Name:

2.MD.8

Money Word Problems

Directions: Solve each problem.

- 1. How much money is 1 quarter, 3 dimes, 1 nickel, and 2 pennies?**

- 2. How much money is 3 dollar bills, 5 dimes, and 1 nickel?**

- 3. How much money is 1 dollar bill, 1 quarter, 2 dimes, 3 nickels, and 4 pennies?**

- 4. How much money is 4 dollar bills, 3 quarters, 1 dime, 2 nickels, and 3 pennies?**

- 5. How much money is 2 dollar bills, 2 quarters, 2 dimes, 3 nickels, and 2 pennies?**

- 6. Liz bought stickers for 2 quarters, 1 dime, 2 nickels, and a 4 pennies. How much money did Liz spend?**

- 7. Gavin bought a new toy. He spent 2 dollars, 1 quarter, 3 dimes, 2 nickels, and 1 penny. How much money did Gavin spend?**

Name:

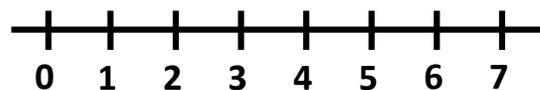
2.MD.9

Directions: Solve each problem.

Measure each crayon, record each measurement, and plot each measurement on the line plot.



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



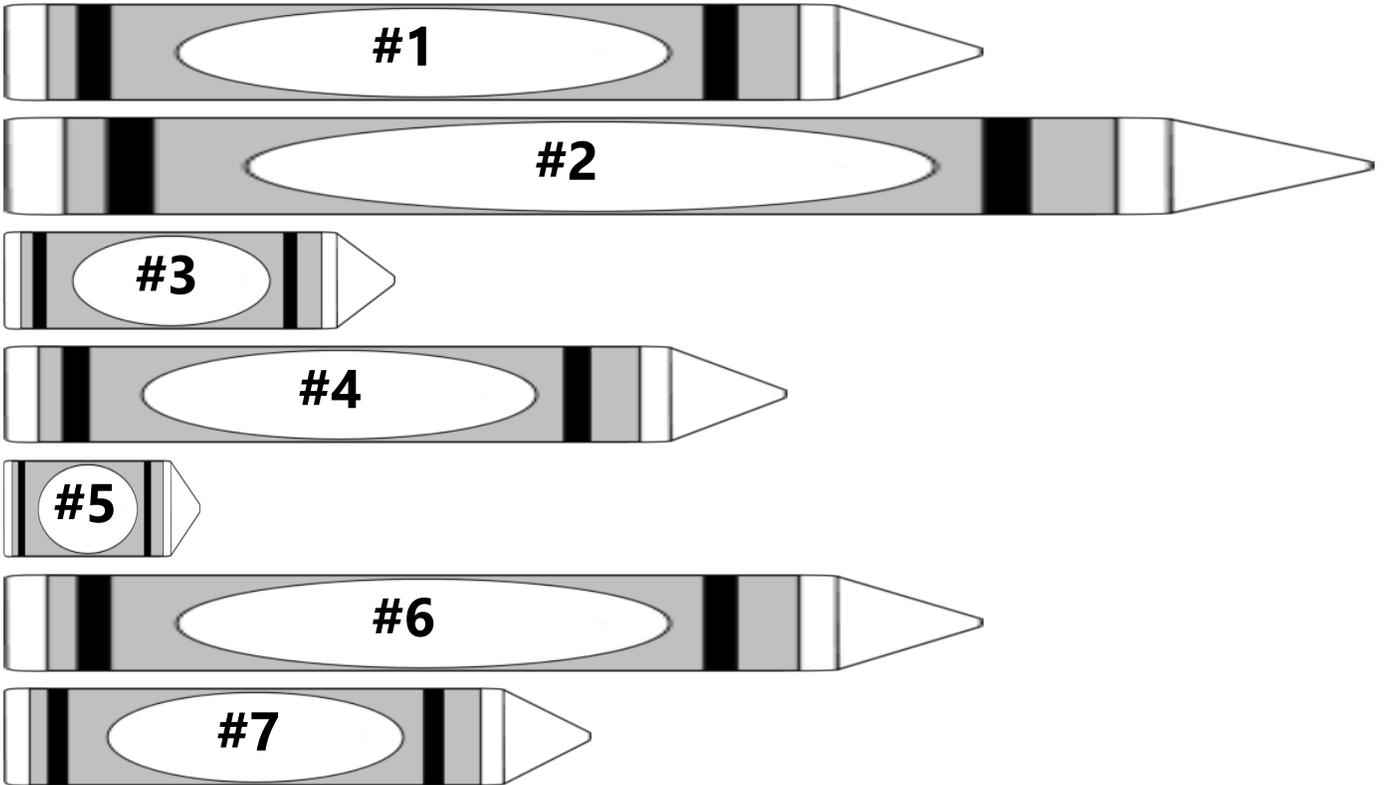
Length of Objects in Inches

Name:

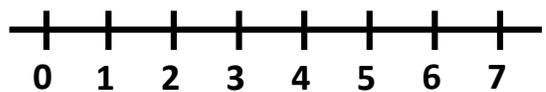
2.MD.9

Measurement Data & Line Plots

Directions: Measure each crayon, record each measurement, and plot each measurement on the line plot.



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



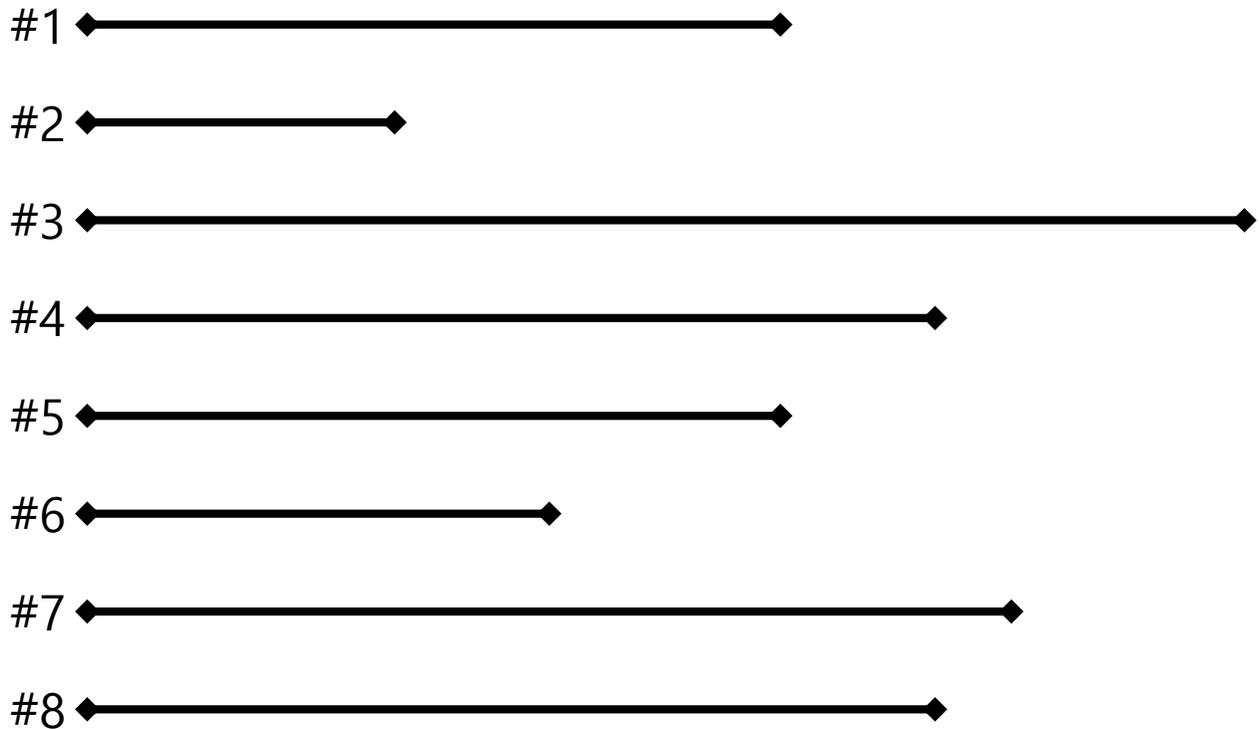
Length of Objects in Inches

Name:

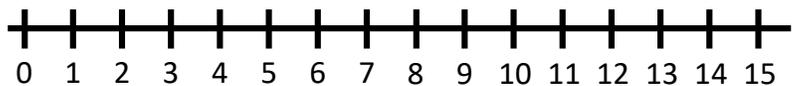
2.MD.9

Measurement Data & Line Plots

Directions: Measure each line, record each measurement, and plot each measurement on the line plot.



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



Length of Objects in Centimeters

Name:

2.MD.10

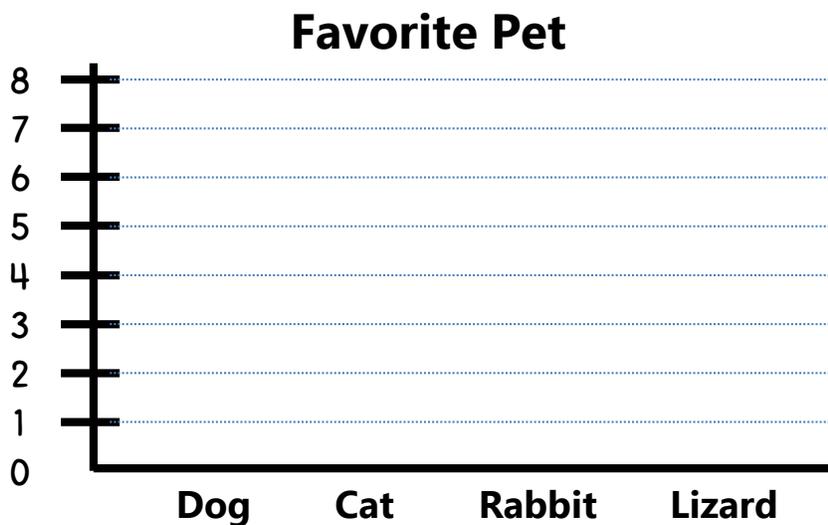
Directions: Solve each problem.

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

Favorite Pet	Votes
Dog	7
Cat	8
Rabbit	1
Lizard	3

Favorite Pet	
Dog	
Cat	
Rabbit	
Lizard	

● = 1 vote



Answer each question using the graphs.

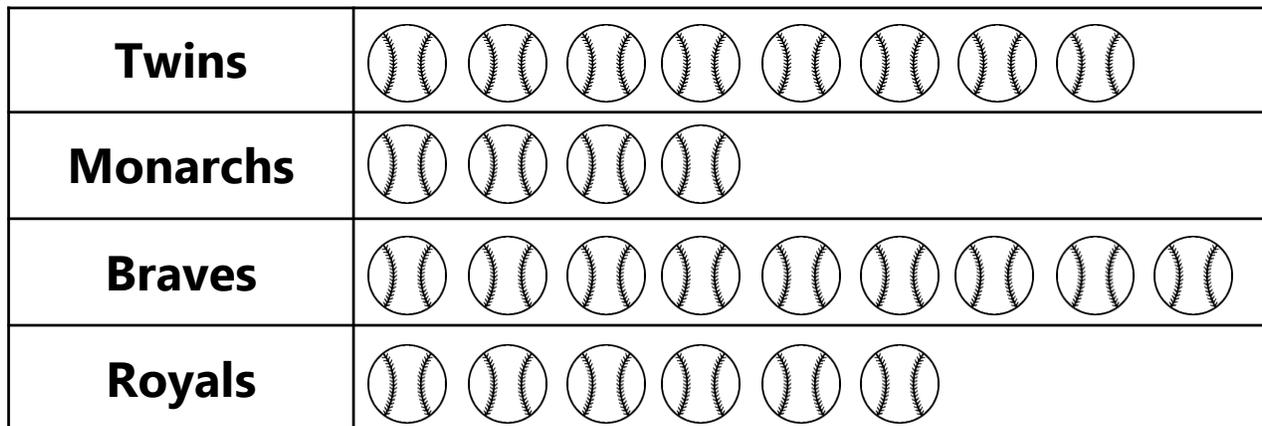
1. How many students took the survey? _____
2. How many votes did cat receive? _____
3. How many more people voted for dogs than for lizards? _____
4. What pet received 7 votes? _____

Name:

2.MD.10

Picture Graph

Number of Hits for the High School Baseball Tournament



 = 2 hits

Directions: Answer each question using the picture graph.

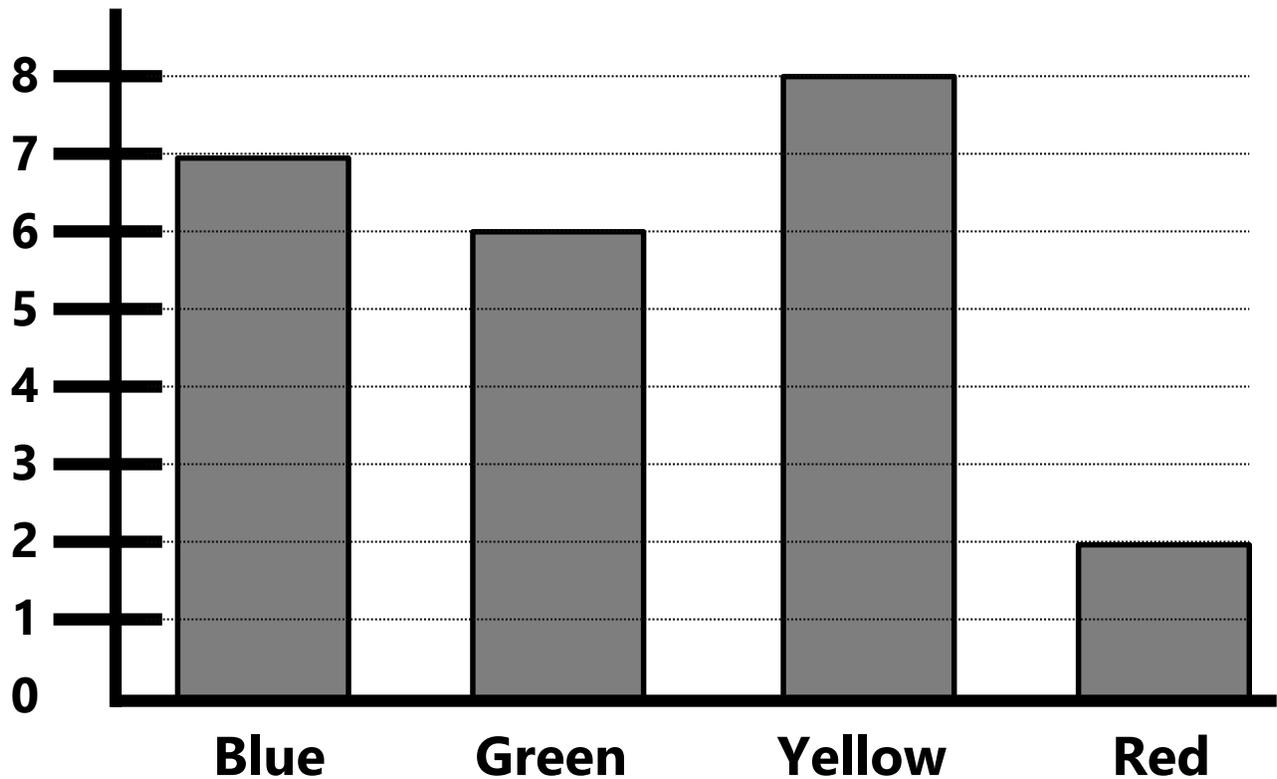
1. Which team had the most hits? _____
2. Which team had the fewest hits? _____
3. How many more hits did the Braves have than the Monarchs? _____
4. How many hits did the Royals have? _____
5. How many hits did the Twins and the Monarchs have altogether? _____
6. How many teams had more than 10 hits? _____

Name: _____

2.MD.10

Bar Graph

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 green receive? _____
3. How many more students voted for blue than for red? _____
4. What color received 8 votes? _____
5. How many votes did green and blue receive altogether? _____
6. How many more students voted for yellow than for green? _____

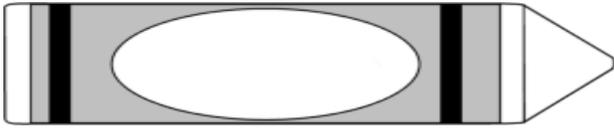
Name: _____

MD Test

Measurement & Data Test

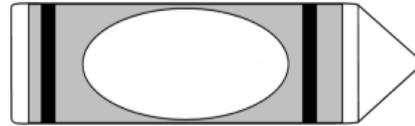
2.MD.1

Measure the length of the object in inches.



2.MD.2

Measure the length of the object to the nearest inch and to the nearest centimeter.



_____ centimeters

_____ inches

2.MD.2

What is longer a centimeter or an inch? _____

What is longer a yard or foot?

2.MD.3

Estimate the length of a guitar.

- a) 3 cm
- b) 3 inches
- c) 3 feet
- d) 3 meters

2.MD.4

Measure the length of your paper in cm. Measure the width of your paper in cm. Record the two measurements. What is the difference between the two measurements?

Width of paper: _____

Length of paper: _____

Difference: _____

2.MD.5

Lance was running on the football field. He started running on the 17-yard line and ran 'x' number of yards before he stopped on the 54-yard line. What is 'x'?

2.MD.6

Fill in the number line to solve the problem. Find the value of 'x'.

$$49 + 15 = x$$



$x =$ _____

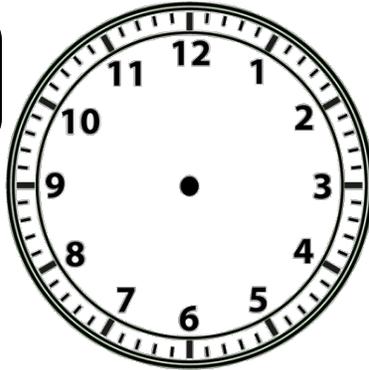
Name: _____

MD Test

Measurement & Data Test

2.MD.7

Draw the time on the clock.



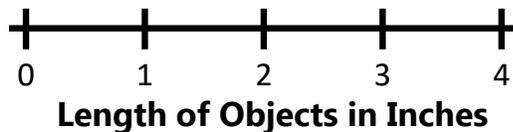
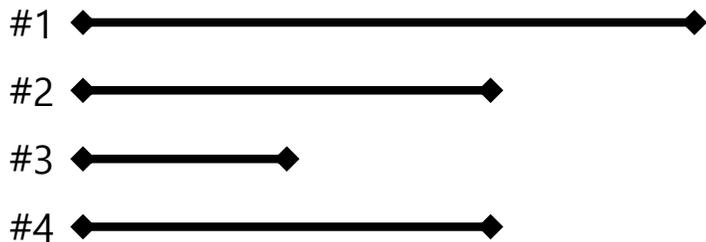
2.MD.8

How much money is 3 dollar bills, 2 quarters, 2 dimes, 1 nickel, and 3 pennies?

2.MD.9

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	



2.MD.10

Draw a picture graph using the following data.

Favorite Color	Votes
Blue	6
Yellow	7
Green	5
Red	2

Favorite Color

Blue	
Yellow	
Green	
Red	

● = 1 vote

- How many students took the survey? _____
- How many more people voted for yellow than for red? _____