

Space Measurement and Graphs

Measure, estimate and read the graph.

Name: _____

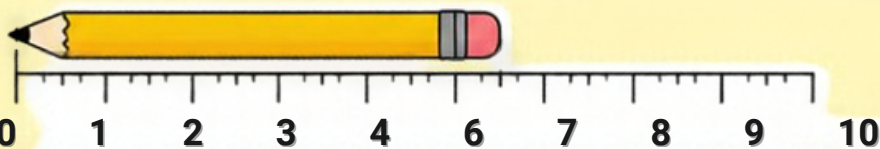
Date: _____



Section 1: Measure with a Ruler

Line up the left end of the object with 0. Read the number at the right end.

Example:



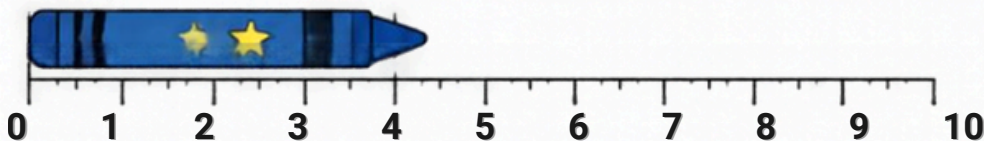
The pencil ends at 5.
It is 5 inches long.

1.



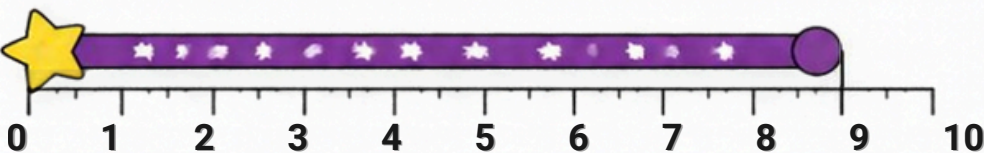
Length: inches

2.



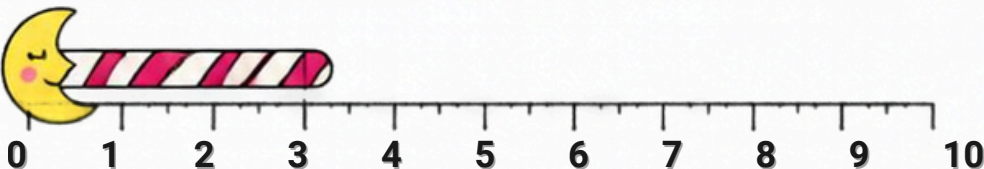
Length: inches

3.



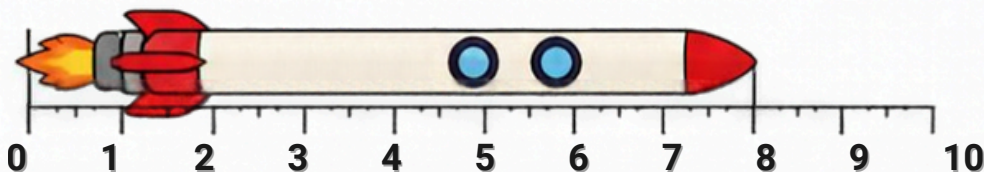
Length: inches

4.



Length: inches

5.



Length: inches



Space Measurement and Graphs



Choose the Best Unit



Name: _____

Date: _____

Section 2: Choose the Best Unit

Circle the best unit to measure each thing.

The length of a pencil: inches. The length of a hallway: meters.

1.



The length of a crayon.

inches or feet

2.



The height of a door.

inches or feet

3.



The length of a paper clip.

centimeters or meters

4.



The length of a soccer field.

centimeters or meters

5.



How long is a new pencil?

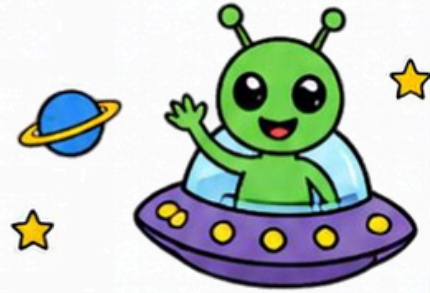
about 7 inches or about 7 feet or about 7 meters

Space Measurement and Graphs



Name: _____

Date: _____



Section 3: Length Word Problems

Read the story. Fill in the box. Write the answer with the unit.

Example: A pencil is 7 inches long. A crayon is 4 inches long.
How much longer is the pencil? $7 - 4 = 3$ inches.



1. A space ribbon is 9 inches long. A string is 5 inches long. How much longer is the ribbon?

$$9 - 5 =$$

Answer: ____ inches

2. A rocket model is 14 centimeters long. A smaller model is 6 centimeters long. How much longer is the big rocket?

$$14 - 6 =$$

Answer: ____ centimeters

3. A blue ribbon is 6 inches long. A red ribbon is 7 inches long. They are laid end to end. How long are they together?

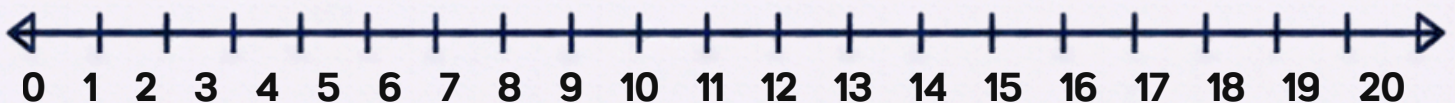
$$6 + 7 =$$

Answer: ____ inches

4. A path on the moon is 8 meters long. A second path is 7 meters long. How long are the two paths together? Show it on the number line.

$$8 + 7 =$$

Answer: ____ meters



5. A space tower is 24 feet tall. A tree is 17 feet tall. How much taller is the tower?

$$24 - 17 =$$

Answer: ____ feet



Space Measurement and Graphs

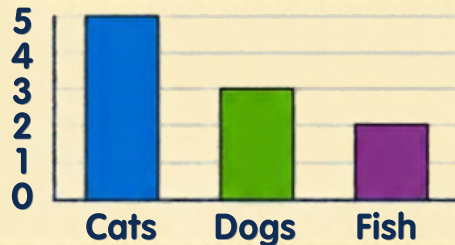


Name: _____ Date: _____

Section 4: Read the Bar Graph

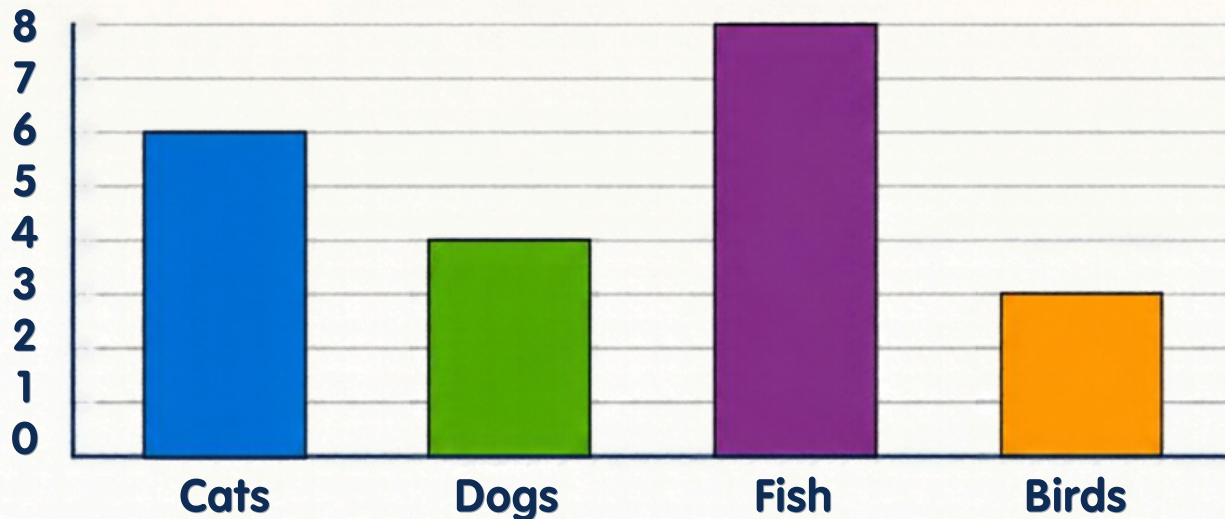
Use the graph to answer each question.

Example:



5 cats, 3 dogs, 2 fish.
There are 2 more cats than dogs.

Class Space Pet Votes



1. How many students picked fish?
2. Which pet got the fewest votes?
3. How many more students picked fish than dogs?
4. How many students picked cats and dogs together?
5. How many students voted in all?





Answer Key

Teacher Copy



Section 1: Measure with a Ruler

1. 6 inches 2. 4 inches 3. 9 inches 4. 3 inches 5. 8 inches



Section 2: Choose the Best Unit

1. inches 2. feet 3. centimeters 4. meters 5. about 7 inches



Section 3: Length Word Problems

1. 4 inches 2. 8 centimeters 3. 13 inches 4. 15 meters 5. 7 feet



Section 4: Read the Bar Graph

1. 1 8 2. Birds 3. 4 4. 10 5. 21

