

Name 2.MD.A1, 2.MD.A2, 2.MD.A3, 2.MD.A4, 2.MD.A5,

1. Estimate. About how long is the pencil?

- Ⓐ about 1 cm
- Ⓑ about 5 cm
- Ⓒ about 10 cm
- Ⓓ about 20 cm



2. Draw a line from each estimate to a matching object.

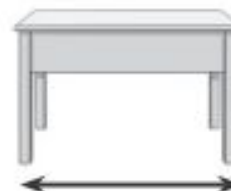
about 1 yard



about 1 foot



about 1 inch



3. Which units of measure would you need the most of to measure the length of a truck?

- Ⓐ inches
- Ⓑ feet
- Ⓒ yards
- Ⓓ all the same

4. Lisa measures the length of a stick with a tape measure. She says it measures 4. Is her answer precise? Explain.



5. Use a ruler to measure each line to the nearest centimeter.

Which are about 4 centimeters long?
Choose all that apply.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ none of them

6. Use a ruler to measure the length of the crayon in inches. Which is the correct measurement?



- (A) 1 inch
- (B) 2 inches
- (C) 3 inches
- (D) 4 inches

7. Circle the unit you need fewer of to measure the height of a window.

meters

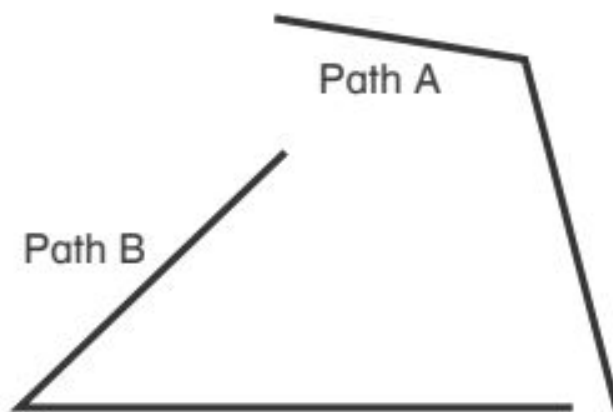
centimeters

Circle the unit you need fewer of to measure the height of a desk.

inches

feet

8. Use a ruler. Measure each path to the nearest inch.



Which path is shorter?

How much shorter?

about _____ shorter

9. Use a ruler. Measure the length of the paper clip to the nearest centimeter. How long is the paper clip?



- (A) 2 centimeters
- (B) 3 centimeters
- (C) 4 centimeters
- (D) 5 centimeters

10. A path has two parts. The total length of the path is 23 inches. One part of the path is 8 inches long. How long is the other part?

- (A) 31 inches
- (B) 23 inches
- (C) 15 inches
- (D) 8 inches

11. Use a ruler. Measure each path to the nearest centimeter.

Path A



Path B



Which path is longer?

How much longer?

about _____
longer

12. Measure the gray line with tools you need to be precise. Choose all the measurements that are precise.



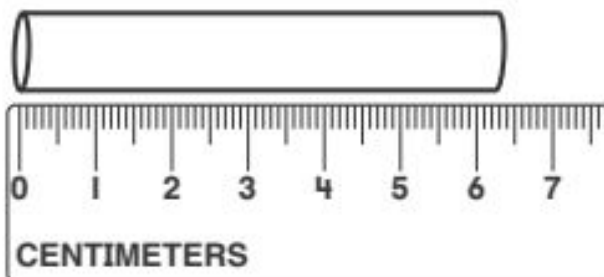
- ☐ 5 centimeters
- ☐ 5 inches
- ☐ 2
- ☐ 2 inches
- ☐ 2 feet

13. Ming uses different units to measure a baseball bat. Compare the measurements. Choose all that apply.



- ☐ fewer feet than yards
- ☐ more feet than yards
- ☐ fewer feet than inches
- ☐ more feet than inches
- ☐ fewer meters than centimeters
- ☐ more meters than centimeters

14. What is the length of the chalk to the nearest centimeter? What would be the combined length of two pieces of chalk?



The piece of chalk is _____ centimeters.

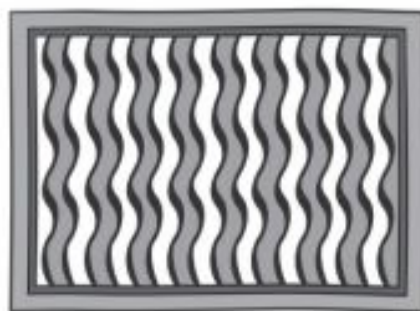
Two pieces of chalk would measure _____ centimeters.

15. Jamar's shoe is 1 foot long.

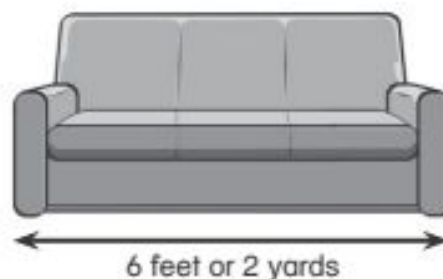
He uses 4 shoes to measure the length of a rug in his room.

About how long is the rug?

- 4 inches 4 feet 1 foot 4 yards
- (A) (B) (C) (D)



16. Emily measured the length of a sofa in feet and in yards. Why is the number of yards less than the number of feet?



Name 2.MD.A1, 2.MD.A2, 2.MD.A3, 2.MD.A4, 2.MD.A5,

1. Which polygons are hexagons? Choose all that apply.


☐

☐

☐

☐

2. Cole draws a polygon. It has more than 4 sides and fewer angles than a hexagon. Which shape does Cole draw?

- Ⓐ quadrilateral
Ⓑ pentagon
Ⓒ triangle
Ⓓ square

3. Which squares are shown in thirds? Choose all that apply.


☐

☐

☐

☐

☐

4. Draw a polygon with 5 angles. Make one angle a right angle. Then name the polygon.

Name: _____

9. Is each statement about a cube true?
Choose Yes or No.

A cube has 6 faces. ☐ Yes ☐ No

A cube has 12 edges. ☐ Yes ☐ No

Each face of a cube is a triangle. ☐ Yes ☐ No

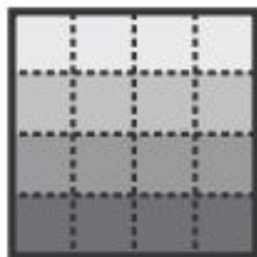
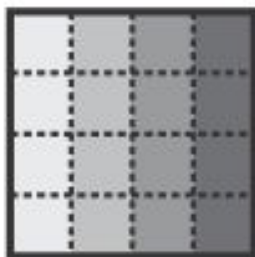
10. Show this circle with 4 equal shares. Then complete the sentences.



Each share is a _____ of the whole.

The whole is _____ fourths.

11. Monica says there are only two ways to divide the same square shown below into 4 equal shares. Do you agree? Use words and pictures to explain.



12. Count the number of squares in the rows and columns of the rectangle. Use the numbers on the cards to write the missing numbers in the equations.

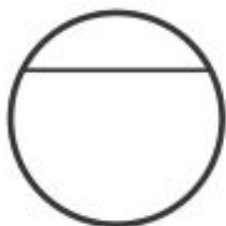
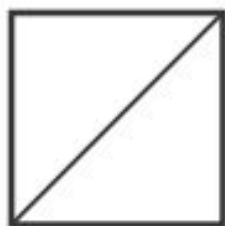
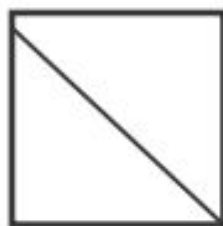


Rows: _____ + _____ + _____ + _____ + _____
_____ + _____ = _____ squares

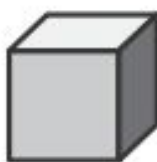


Columns: _____ + _____ + _____ = _____ squares

13. Suki wants a design that shows halves. Which designs could Suki use? Choose all that apply.

☐☐☐☐☐

14. Is the solid figure a cube? Choose Yes or No.



☐ Yes

☐ No



☐ Yes

☐ No



☐ Yes

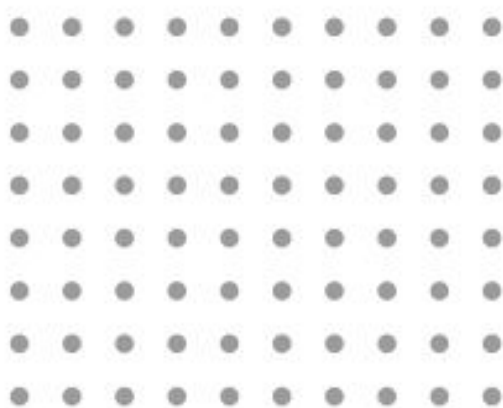
☐ No



☐ Yes

☐ No

15. Use the dot paper.
Draw a cube.

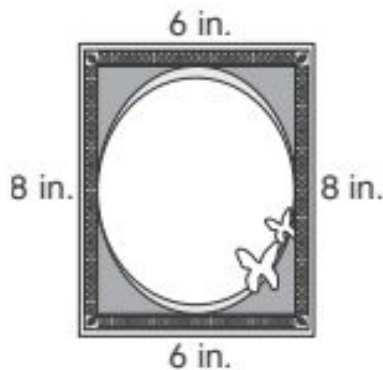


16. Divide the rectangle into rows and columns of squares the same size as the gray square. Then count and record the number of squares.



_____ squares

1. A picture frame has a length of 8 in. and a width of 6 in. What is the total distance around the frame? Use the image below for help.



Distance around: _____ in.

2. Morgan is 46 inches tall. Jesse is 5 inches shorter than Morgan. Brad is 6 inches taller than Jesse.

How tall is Brad?

- (A) 35 in. (C) 52 in.
(B) 47 in. (D) 57 in.

3. Nick has a ribbon that is 8 yards long. Sofia's ribbon is 14 yards long. Pablo's ribbon is 4 yards longer than Sofia's ribbon.

Use the measurements on the cards to complete each sentence.

6 yards	10 yards	18 yards
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Pablo's ribbon is _____ long.

Nick's ribbon is _____ shorter than Sofia's ribbon.

Pablo's ribbon is _____ longer than Nick's ribbon.

4. Jake's mother drives 16 miles. Then she drives 8 more miles.

Use the number line to find how far Jake's mother drives. Then explain your work.



5. Margo says that each unknown equals 36 cm. Do you agree? Choose Yes or No.

$$56 \text{ cm} + ? = 92 \text{ cm}$$

☐ Yes ☐ No

$$62 \text{ cm} - 26 \text{ cm} = ?$$

☐ Yes ☐ No

$$? + 45 \text{ cm} = 71 \text{ cm}$$

☐ Yes ☐ No

6. Seth got a pet snake that was 32 cm long. Now the snake is 56 cm long. How many centimeters did the snake grow?

(A) 88 cm

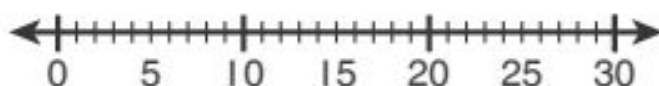
(B) 36 cm

(C) 33 cm

(D) 24 cm

7. Robin runs 22 miles in all on Saturday and Sunday. She runs 9 miles on Sunday. How many miles does she run on Saturday? Write an equation to show the unknown. Then use the number line to solve.

____ ☐ ____ = ____
____ miles



8. Jason has 19 inches of wire. He cuts off 9 inches. How much wire is left?

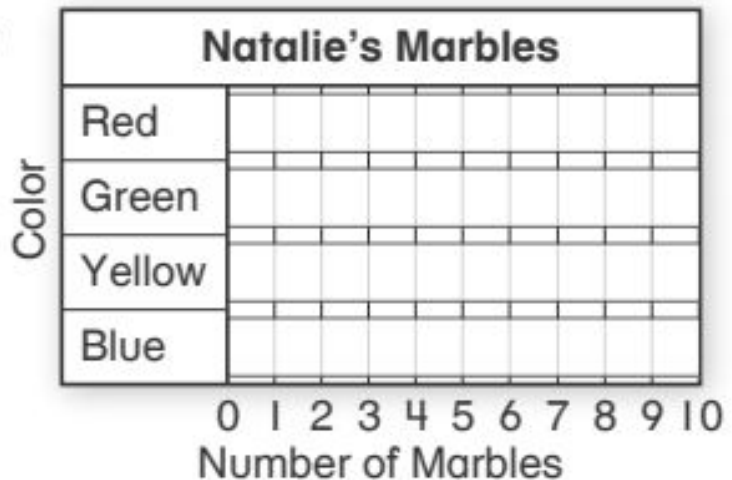
- A. Which of these tools could you use to solve the problem? Choose all that apply.

- ☐ centimeter ruler
☐ paper and pencil
☐ number line
☐ inch ruler
☐ measuring cup

- B. Write an equation to show the unknown. Draw a number line to solve.

____ ☐ ____ = ____
____ in.

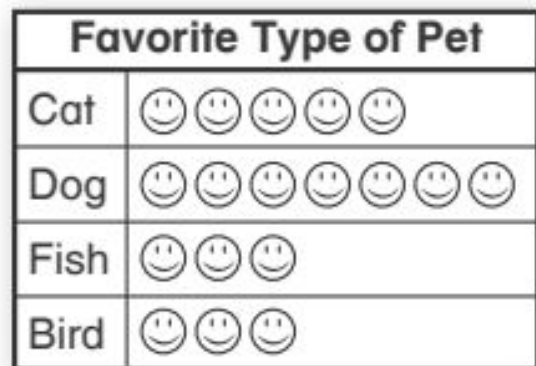
1. Natalie has 6 red marbles, 3 green marbles, 9 yellow marbles, and 7 blue marbles. Show these data in the bar graph. Draw the bars.



2. Use the bar graph you made above. Natalie gives 4 of the yellow marbles to her brother. Now how many yellow marbles does Natalie have left?

Ⓐ 13 Ⓑ 6 Ⓒ 5 Ⓓ 4

3. Is each sentence about the picture graph correct? Choose Yes or No.



Each 😊 = 1 student

7 students voted for dog.

☐ Yes ☐ No

20 students voted in all.

☐ Yes ☐ No

2 more students voted for fish than for cat.

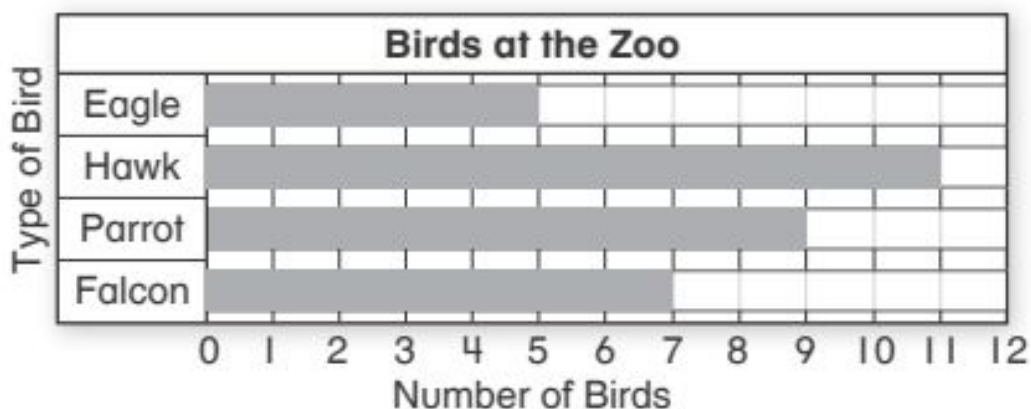
☐ Yes ☐ No

The same number of students voted for fish as for bird.

☐ Yes ☐ No

4. How many more hawks than falcons are at the zoo?

- (A) 2
- (B) 4
- (C) 5
- (D) 11



5. Complete the table and the line plot.

A. Use a centimeter ruler.
Measure the length of the pencil to the nearest centimeter. Write the length in the table below.



Pencil Lengths in Centimeters			
11	6	8	9
8	8	7	

B. Use the data in the table to complete the line plot.

Pencil Lengths














Number of Centimeters

What is the difference in length between the longest and shortest pencils?

6. Diego is making a picture graph from the data in the tally chart. How many symbols should he draw in the row for soccer?

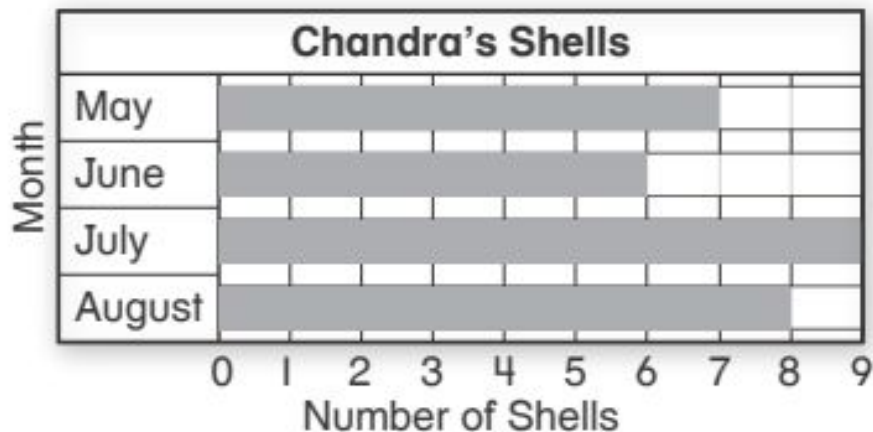
Favorite Sport	
Baseball	
Hockey	
Football	
Soccer	

Favorite Sport	
Baseball	    
Hockey	 
Football	   
Soccer	

Each  = 1 student

- (A) 4 (B) 5 (C) 6 (D) 7

7. Chandra collects shells. The bar graph shows the number of shells she collects each month.



Which statements are true? Choose all that apply.

- ☐ Chandra collects 3 more shells in July than in June.
- ☐ Chandra collects 2 fewer shells in June than in August.
- ☐ Chandra collects more shells in July and August than in May and June.
- ☐ Chandra collects a total of 16 shells in June and July.
- ☐ Chandra collects the most shells in June.

8. Use the tally chart to complete the picture graph.
Then use the picture graph to solve the problems.

Favorite Yogurt	
Peach	
Cherry	
Banana	
Berry	

Favorite Yogurt	
Peach	
Cherry	
Banana	
Berry	

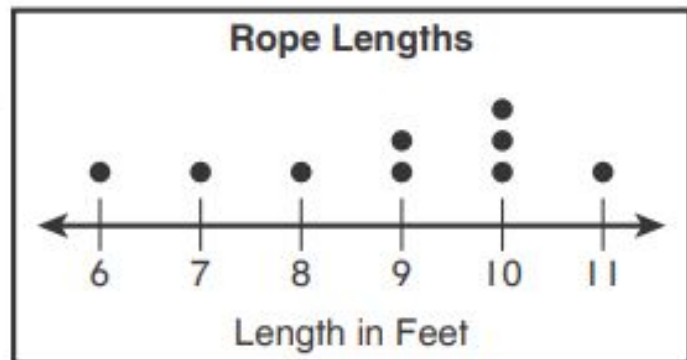
Each  = 1 vote

How many students voted for Banana? _____

Which yogurt is the favorite of most people? _____

9. Use the line plot and the numbers on the cards to complete each sentence.

5 6 10 11



3 ropes are _____ feet long.

The shortest rope is
_____ feet long.

The longest rope is _____ feet long.

The difference between the longest and shortest ropes
is _____ feet.