

Grade 2 · Picture Graphs, Bar Graphs and Line Plots · Quiz

Common Core 2.MD.D.9, 2.MD.D.10 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

This 10-question quiz checks reading a ruler, line plots, picture graphs, and bar graphs. It also has put-together, take-apart, and compare questions. Choose the one best answer for each question. Look at each graph carefully before you answer.

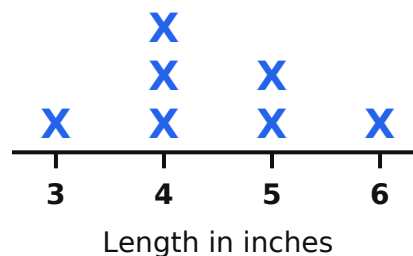
Grade 2 Common Core: 2.MD.D.9 · 2.MD.D.10

Questions

Question 1

How many objects are 4 inches long?

Lengths of 7 objects

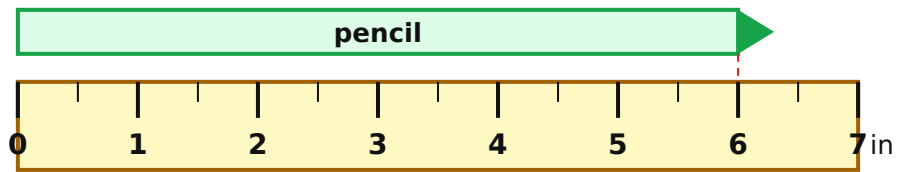


Line plot of 7 objects.

- A. 4
- B. 3
- C. 2
- D. 7

Question 2

How long is the pencil?

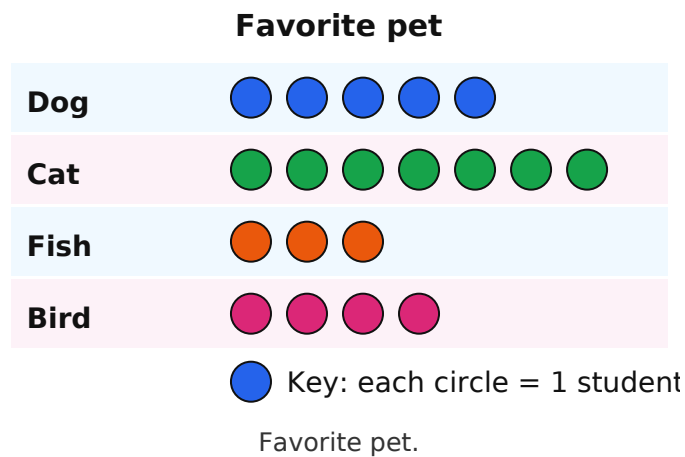


A pencil next to an inch ruler.

- A. 5 inches
- B. 7 inches
- C. 4 inches
- D. 6 inches

Question 3

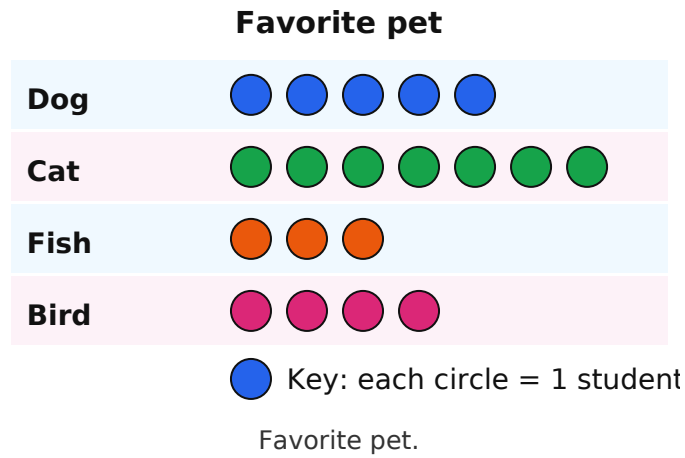
Each circle is 1 student. Which pet did the most students choose?



- A. Dog
- B. Cat
- C. Fish
- D. Bird

Question 4

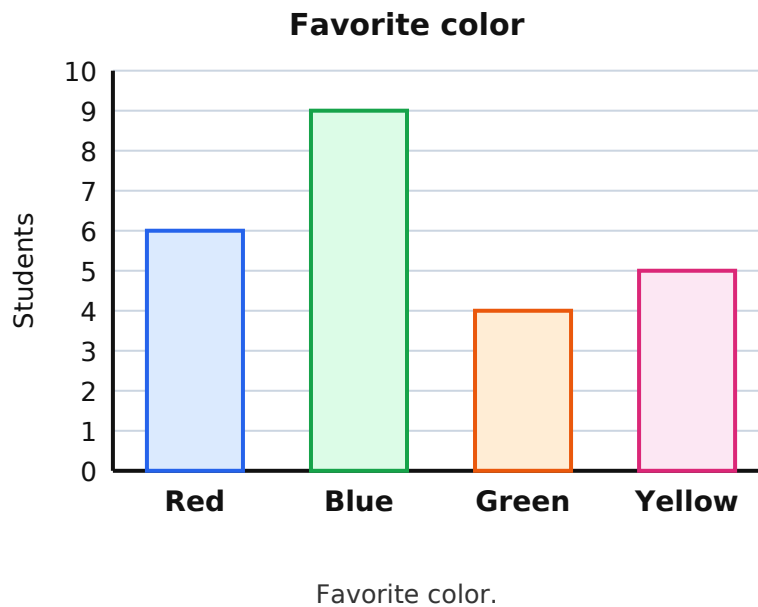
Each circle is 1 student. How many students voted in all?



- A. 19
- B. 17
- C. 7
- D. 20

Question 5

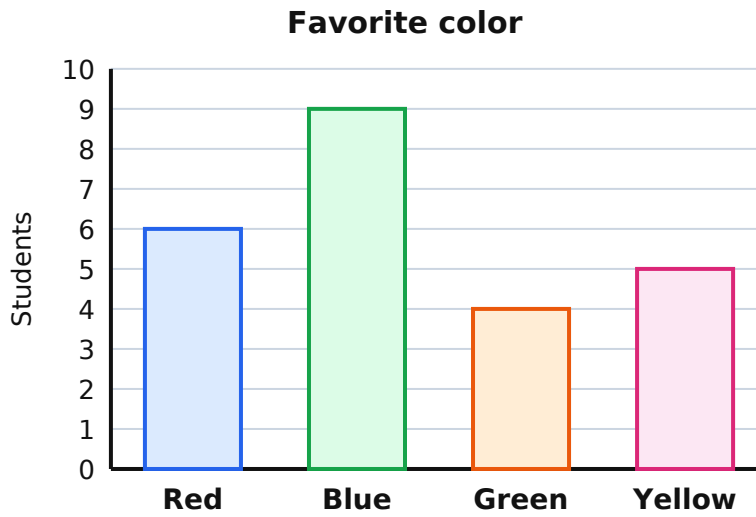
How many more students chose blue than green?



- A. 5
- B. 13
- C. 4
- D. 9

Question 6

How many students chose red or yellow?



Favorite color.

- A. 1
- B. 24
- C. 11
- D. 15

Question 7

What does each X on a line plot show?

- A. The unit
- B. The whole total
- C. The title
- D. One measurement

Question 8

In a bar graph, 9 students chose soccer and 6 students chose tag. How many more chose soccer?

- A. 15
- B. 4
- C. 3
- D. 2

Question 9

Fifteen students voted. 8 chose dogs and the rest chose cats. How many chose cats?

- A. 23
- B. 7
- C. 8

D. 6

Question 10

A line plot has 2 X marks at 3, 4 X marks at 5, and 1 X at 6. How many objects were measured?

- A. 3
- B. 14
- C. 7
- D. 6

Answer key

1. **B** – There are 3 X marks above 4. The number 7 is all the objects, and 4 is the length itself.
2. **D** – The pencil starts at 0 and ends at 6. Be careful not to start counting at 1.
3. **B** – The Cat row has 7 circles, the longest row. Dog has 5.
4. **A** – Add all rows: $5 + 7 + 3 + 4 = 19$. A common mistake is to add only the biggest rows.
5. **A** – Blue is 9 and green is 4. To compare, subtract: $9 - 4 = 5$. Adding gives 13.
6. **C** – Red is 6 and yellow is 5. Put together: $6 + 5 = 11$.
7. **D** – Each X marks one measurement of one object. Count the X marks to find the total.
8. **C** – Compare by subtracting: $9 - 6 = 3$. Adding gives 15, the total.
9. **B** – Take apart: $15 - 8 = 7$. Check: $8 + 7 = 15$.
10. **C** – Count all the X marks: $2 + 4 + 1 = 7$. The number 3 is how many different lengths there are.

Remember:

- Measure to the nearest whole unit, starting at 0 on the ruler.
- On a line plot, each X stands for one measurement.
- In a picture graph, read the key to learn what each picture means.
- In a bar graph, the top of each bar tells the number.
- Add to put together, subtract to take apart or compare.