

Grade 2 - Picture Graphs, Bar Graphs and Line Plots

Plots - Quiz

Common Core 2.MD.D.9, 2.MD.D.10 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **grade 2 data quiz** for 2nd Grade covers picture graphs, bar graphs and line plots (Common Core 2.MD.D.9, 2.MD.D.10), with a free PDF to print.

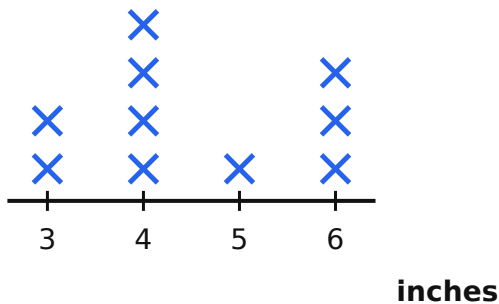
Answer these 10 questions about measuring, line plots, picture graphs and bar graphs. Pick the one best answer. Read each graph slowly, and check the key or scale first.

Grade 2 · Common Core State Standards: **2.MD.D.9, 2.MD.D.10**

Grade 2 data quiz: 10 questions

Questions

Question 1

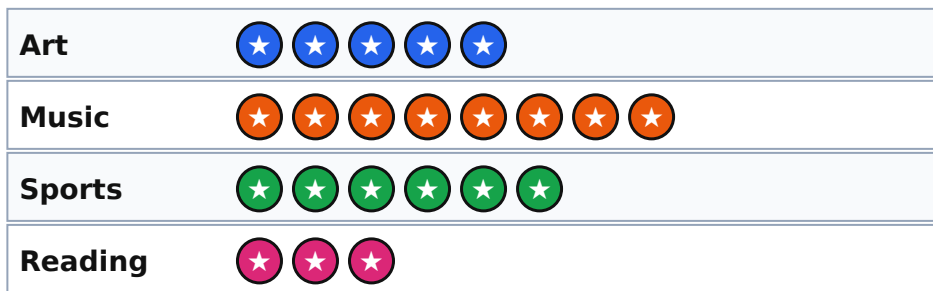


Twig lengths.

How many twigs are 4 inches long?

- A. 4
- B. 3
- C. 2
- D. 1

Question 2



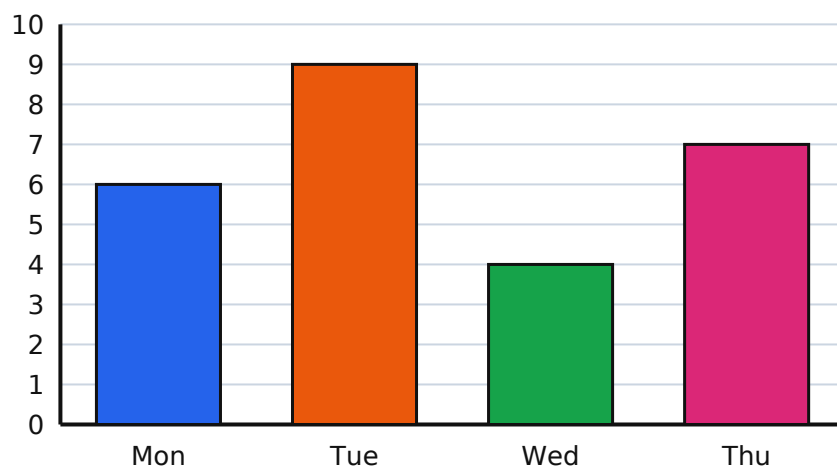
 Key: each circle = 1

Favorite activities.

How many more children chose Music than Reading?

- A. 11
- B. 3
- C. 5
- D. 8

Question 3

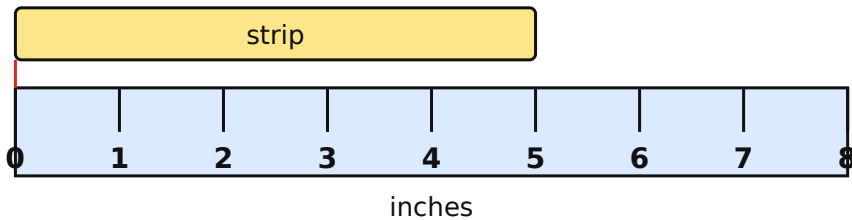


Apples picked each day.

How many apples were picked on Tuesday and Wednesday together?

- A. 5
- B. 15
- C. 10
- D. 13

Question 4



A strip and a ruler.

How long is the strip?

- A. 4 inches
- B. 5 inches
- C. 6 inches
- D. 8 inches

Question 5

A bar graph shows 7 dogs and 4 cats. How many dogs and cats are there together?

- A. 3
- B. 10
- C. 11
- D. 12

Question 6

On a line plot, there are 3 X marks above the number 6. What does this tell you?

- A. 6 objects are 3 inches long
- B. 3 objects are 6 inches long
- C. 9 objects were measured
- D. The longest object is 3 inches

Question 7

There are 18 children in a picture graph. 11 children walk to school and the rest ride a bike. How many ride a bike?

- A. 7
- B. 29
- C. 8
- D. 6

Question 8

Which graph shows each group with a bar and a number scale on the side?

- A. Bar graph
- B. Picture graph
- C. Line plot
- D. Ruler

Question 9

In a picture graph, one row has 9 circles and another row has 5 circles. Each circle means 1 child. How many more children are in the first row?

- A. 14
- B. 4
- C. 5
- D. 45

Question 10

Where do you put the 0 mark of a ruler when you measure an object?

- A. At the middle of the object
- B. At the end of the table
- C. At the 1 mark of the object
- D. At one end of the object

Answers

1. **A** – There are 4 X marks above 4. The other stacks are 2 at 3, 1 at 5 and 3 at 6.
2. **C** – Music has 8 circles and Reading has 3. Subtract: $8 - 3 = 5$. Adding gives 11, which answers a put-together question.
3. **D** – Tuesday is 9 and Wednesday is 4. Add: $9 + 4 = 13$.
4. **B** – The strip starts at 0 and ends at 5, so it is 5 inches long. 8 is the end of the ruler, not the strip.
5. **C** – Put together by adding: $7 + 4 = 11$. Subtracting gives 3, which tells how many more dogs there are.
6. **B** – Each X is one object and the number below is its length. So 3 objects are 6 inches long.
7. **A** – Take apart 18: $18 - 11 = 7$. Adding $18 + 11$ gives 29, which is wrong.
8. **A** – A bar graph uses bars and a scale. A picture graph uses pictures and a key.
9. **B** – Subtract: $9 - 5 = 4$. Adding $9 + 5 = 14$ puts the rows together instead.
10. **D** – The 0 mark must line up with one end. Then read the number at the other end.

Remember

Remember

- Measure to the nearest whole inch, starting at the 0 mark of the ruler.
- On a line plot, each X is one object.
- Read the key of a picture graph before you count.
- A bar graph uses the scale on the side to give the number for each bar.
- Put together by adding. Compare by subtracting.

How to use this grade 2 data quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the grade 2 data quiz as a PDF with the button below and keep it with your notes.

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