

Grade 2 - Picture Graphs, Bar Graphs and Line Plots - Test

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

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

This **grade 2 data test** 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.

This test checks line plots, picture graphs, bar graphs and measuring in inches (standards 2.MD.D.9 and 2.MD.D.10). You have 45 minutes and the test is worth 20 points. Show your work.

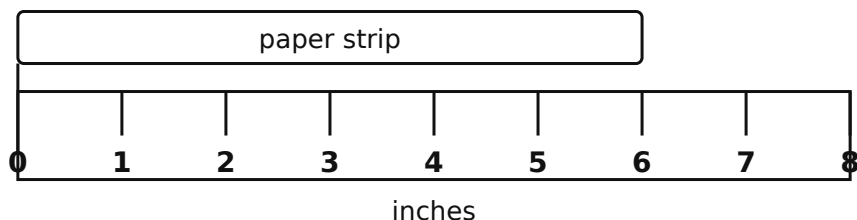
Time and points

About this test

- Grade: Grade 2
- Chapter: Picture Graphs, Bar Graphs and Line Plots
- Standards: 2.MD.D.9, 2.MD.D.10
- Time: 45 minutes
- Total: 20 points

Grade 2 data test: questions

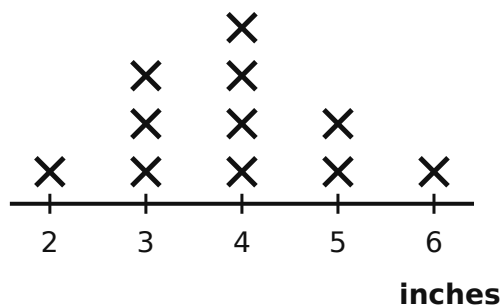
Question 1 - Measure the strip [2 pts]



A paper strip and a ruler.

- Write the length of the strip. (1 point)
- A second strip is 2 inches longer. Write its length. (1 point)

Question 2 - Read the line plot [3 pts]

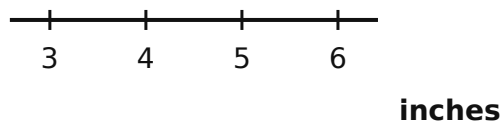


Lengths of sticks Ava found.

- a. How many sticks are 4 inches long? (*1 point*)
- b. How many sticks did Ava measure in all? (*1 point*)
- c. How many sticks are shorter than 4 inches? (*1 point*)

Question 3 - Make a line plot [2 pts]

Noah measured 8 crayons in inches: 5, 3, 4, 5, 6, 4, 5, 3.



Draw the X marks here.

Draw an X for each crayon on the line plot.

Question 4 - Books read [3 pts]

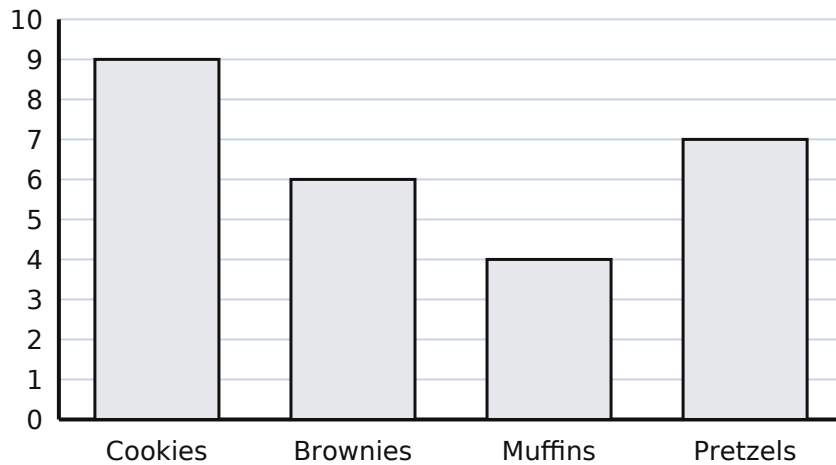
Room 1	★ ★ ★ ★ ★ ★ ★
Room 2	★ ★ ★ ★ ★
Room 3	★ ★ ★ ★ ★ ★ ★ ★ ★
Room 4	★ ★ ★ ★ ★ ★

○ Key: each circle = 1

Books read in March.

- Which room read the most books? (1 point)
- How many more books did Room 3 read than Room 2? (1 point)
- How many books did Room 1 and Room 4 read together? (1 point)

Question 5 - Bake sale bars [3 pts]

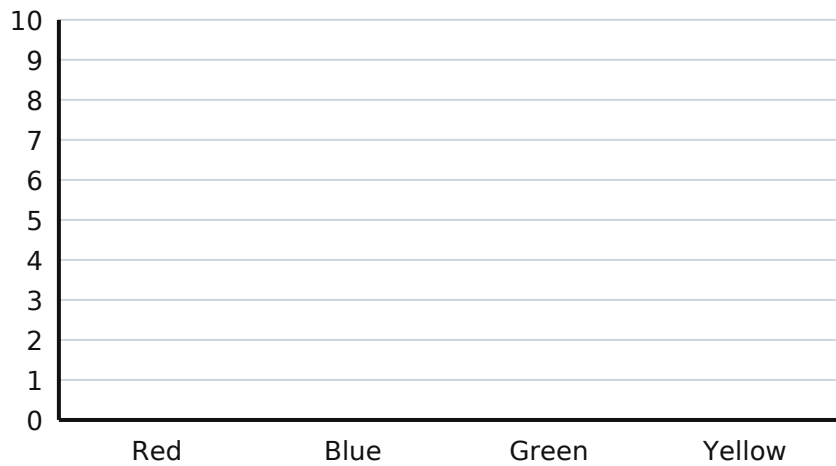


Items sold at the bake sale.

- Which item sold the fewest? (1 point)
- How many cookies and pretzels were sold together? (1 point)
- How many fewer brownies than cookies were sold? (1 point)

Question 6 - Draw a bar graph [2 pts]

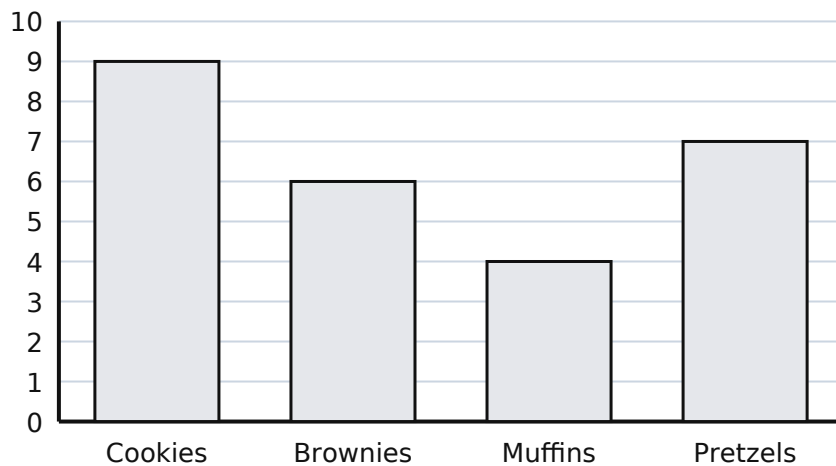
Children voted for a favorite color: Red 5, Blue 8, Green 3, Yellow 6.



Draw the bars here.

Draw a bar for each color.

Question 7 - Compare in the graph [2 pts]



Items sold at the bake sale.

Which is more: muffins and pretzels together, or cookies? How many more?

Question 8 - Stick word problem [3 pts]

Priya measured 14 sticks. Three sticks are 4 inches long. Six sticks are 5 inches long. The rest are 6 inches long.

a. How many sticks are 6 inches long? (1 point)

- b. How many sticks are shorter than 6 inches? *(1 point)*
- c. How many more sticks are 5 inches long than 4 inches long? *(1 point)*

Key facts behind this grade 2 data test

Key facts

- 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 test

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.