

# Grade 2 - Picture Graphs, Bar Graphs and Line Plots - Test Answer Key

Common Core 2.MD.D.9, 2.MD.D.10 · [maths-pdf.fr/en/](https://maths-pdf.fr/en/)

This **grade 2 data test answers** 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.

Use this key to score the test out of 20 points. Each answer shows the numbers read from the graph and a scoring guide. Give partial credit when the method is right but a small slip happens at the end.

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

## Grade 2 data test answers: worked solutions

### Question 1 - Measure the strip [2 pts]

- a. The strip ends at 6. **6 inches**
- b.  $6+2=8$ . **8 inches**

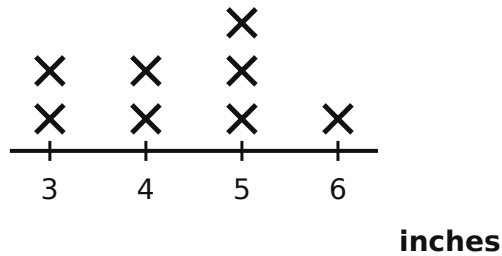
*Scoring: 1 point for each part.*

### Question 2 - Read the line plot [3 pts]

- a. Four X marks above 4. **4 sticks**
- b.  $1+3+4+2+1=11$ . **11 sticks**
- c. Sticks of 2 and 3 inches:  $1+3=4$ . **4 sticks**

*Scoring: 1 point for each part.*

### Question 3 - Make a line plot [2 pts]



Two X above 3, two above 4, three above 5, one above 6.

Check:  $2+2+3+1=8$ .

Scoring: 1 point for the correct number line, 1 point for the correct X marks.

#### Question 4 - Books read [3 pts]

- a. Room 3 has the longest row. **Room 3**
- b.  $9-5=4$ . **4 books**
- c.  $7+6=13$ . **13 books**

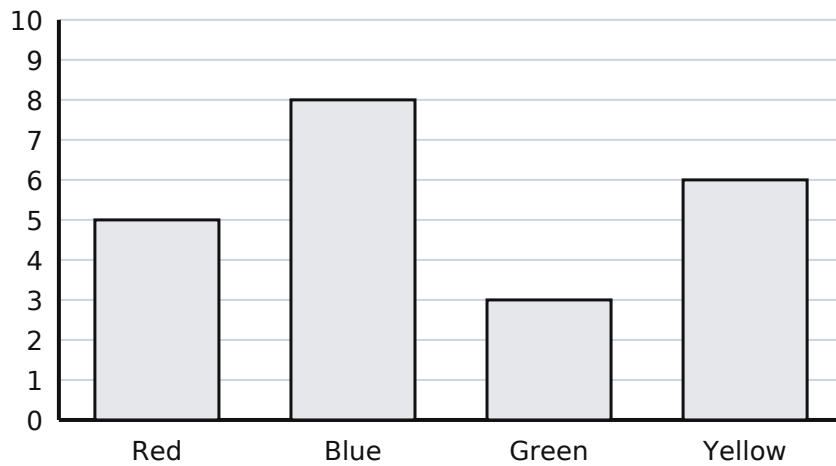
Scoring: 1 point for each part.

#### Question 5 - Bake sale bars [3 pts]

- a. The shortest bar is Muffins. **Muffins**
- b.  $9+7=16$ . **16 items**
- c.  $9-6=3$ . **3 fewer**

Scoring: 1 point for each part.

#### Question 6 - Draw a bar graph [2 pts]



The finished graph.

*Scoring: 1 point for the bars of Red and Blue at the right height, 1 point for the bars of Green and Yellow at the right height.*

### Question 7 - Compare in the graph [2 pts]

Muffins and pretzels:  $4+7=11$ . Cookies: 9.

$$11-9=2$$

**Muffins and pretzels, by 2 more**

*Scoring: 1 point for the sum 11, 1 point for the comparison and the difference.*

### Question 8 - Stick word problem [3 pts]

- a.  $14-3-6=5$ . **5 sticks**
- b.  $3+6=9$ . **9 sticks**
- c.  $6-3=3$ . **3 more sticks**

*Scoring: 1 point for each part.*

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| <b>Total score</b> |
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| <b>Total</b> |
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| <b>20 points</b> |
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## Key facts behind this grade 2 data test answers

### 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 answers

Score your test with the point values shown for each question. Then read the worked solution of every question where you lost points and note the method to review.