

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

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

This **grade 2 data 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.

Each solution names the numbers read from the graph, then shows the addition or subtraction. Where a problem asks you to draw, the finished graph is shown in the answer.

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

Grade 2 data answers: exercises 1 to 10

Exercise 1 - Read the ruler

The pencil starts at 0 and ends at 4.

4 inches

Exercise 2 - Measure the ribbon

The end of the ribbon is at the 7 mark.

7 inches

Exercise 3 - Shells that are 5 inches

Count the X marks above 5: there are 5.

5 shells

Exercise 4 - Count all the shells

$2+3+5+2+1=13$.

13 shells

Exercise 5 - Longest and shortest

The last X is above 7. The first X is above 3.

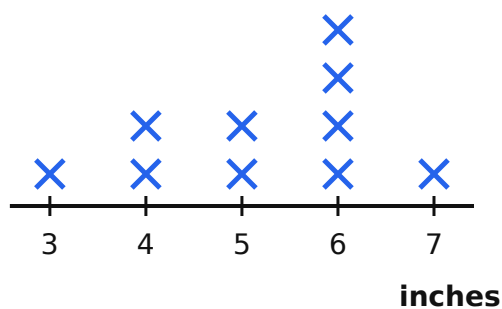
Longest: 7 inches. Shortest: 3 inches.

Exercise 6 - Shorter than 5 inches

Shorter than 5 means 3 inches and 4 inches: $2+3=5$.

5 shells

Exercise 7 - Make a line plot



Jamal's line plot.

Put one X above 3, two above 4, two above 5, four above 6 and one above 7. Check: $1+2+2+4+1=10$.

4 ribbons are 6 inches long.

Exercise 8 - Most popular game

The longest row is Four square, with 8 circles.

Four square

Exercise 9 - Count one row

Count the circles in the Tag row.

5 children

Exercise 10 - Kickball and jump rope

$$7 - 4 = 3.$$

3 more children

Exercises 11 and up

Exercise 11 - All the children

$$5 + 8 + 4 + 7 = 24.$$

24 children

Exercise 12 - Read the bar

The Cats bar reaches 6.

6 cats

Exercise 13 - Fewest pets

The shortest bar is Fish. It reaches 3.

Fish, 3

Exercise 14 - Dogs and birds

$$8 - 5 = 3.$$

3 more dogs

Exercise 15 - Cats and fish

$$6+3=9.$$

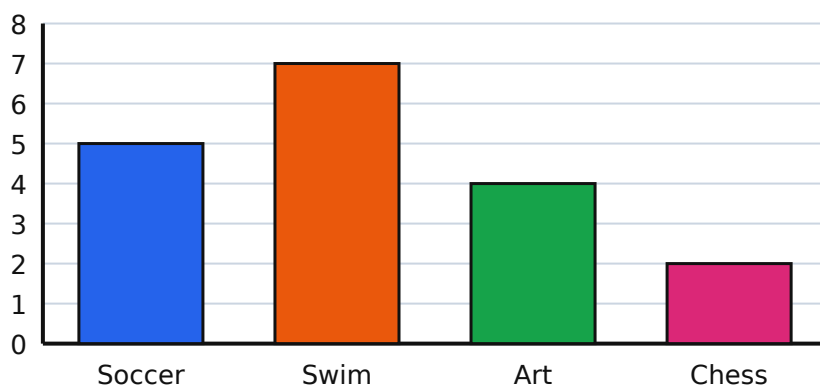
9 pets

Exercise 16 - Fewer fish

$$8-3=5.$$

5 fewer fish

Exercise 17 - Draw a bar graph



The finished bar graph.

Draw four bars with heights 5, 7, 4 and 2. Then $7-4=3$.

3 more children chose swim.

Exercise 18 - Not dogs

Take apart the total. Total: $8+6+3+5=22$. Dogs: 8.

$$22-8=14$$

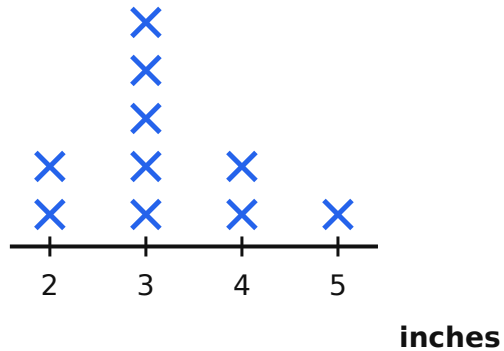
14 pets

Exercise 19 - Five inches or longer

Add the X marks above 5, 6 and 7: $5+2+1=8$.

8 shells

Exercise 20 - Sprout heights



Priya's line plot.

Stacks: two X above 2, five above 3, two above 4, one above 5.

$$5 - 1 = 4$$

4 more sprouts

Exercise 21 - Weather days

Rainy and snowy together: $4 + 2 = 6$. Sunny: 9.

$$9 - 6 = 3$$

Sunny days, by 3 more

Exercise 22 - Cupcake sale

All days: $5 + 8 + 6 + 9 = 28$. Compare: $9 - 5 = 4$.

28 cupcakes; 4 more on Thursday

Exercise 23 - Days without sun

$$20 - 9 = 11. \text{ Check: } 5 + 4 + 2 = 11.$$

11 days

Exercise 24 - Recess changes

Jump rope: $4+2=6$. Four square: $8-2=6$. The new counts are 5, 6, 6 and 7.

6 children; Kickball has the most (7)

Key facts behind this grade 2 data 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 answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

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