

Bar Graph Fun

Turn counts into clear bars.

GRADE 2 • 2.PS.1.d

2.PS.1.d "Organize and represent a data set using a bar graph with a title and labeled axes (limited to 25 or fewer data points for up to six categories, and limit increments of scale to multiples of 1 or 2)."

NAME _____

DATE _____

MAKE A BAR GRAPH

Put category names across the bottom. Put numbers up the side, give the graph a title, and draw each bar to match the count.

WORKED EXAMPLE

Pet chart: cats 2, dogs 4, fish 6.
Make a bar graph.

1. Write the title: Pet Chart.
2. Label the bottom Pet and the side Number of Pets.
3. Count by 1 on the side.
4. Draw bars to 2, 4, and 6.

Answer: Title: Pet Chart. Bottom axis: Pet. Side axis: Number of Pets. Scale: 1. Bars: cats 2, dogs 4, fish 6.

PRACTICE 4 problems

1 Toy bin: cars 1, balls 3, kites 5. Make a bar graph.

ANSWER _____

2 Book picks: yellow books 7, purple books 9. Make a bar graph.

ANSWER _____

3 Pet votes: hamsters 8, turtles 10. Make a bar graph. Count by 2.

ANSWER _____

4 Snack votes: crackers 11, apples 13. Make a bar graph.

ANSWER _____

APPLY IT Show your work

- 1** At recess, 7 children choose jump rope, 9 choose tag, and 3 choose chalk. Make a bar graph.

WORK SPACE

ANSWER _____

- 2** In the library, Mia finds 8 animal books and 10 space books. Make a bar graph. Count by 2.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Game choices are puzzles 1, dolls 3, bikes 5, blocks 7, and cards 9. Make a bar graph. Write why counting by 1 is a good scale.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Toy bin: cars 1, balls 3, kites 5. Make a bar graph.	Title: Toy Bin. Bottom axis: Toy. Side axis: Number of Toys. Scale: 1. Bars: cars 1, balls 3, kites 5.
2	Book picks: yellow books 7, purple books 9. Make a bar graph.	Title: Book Picks. Bottom axis: Book Color. Side axis: Number of Books. Scale: 1. Bars: yellow 7, purple 9.
3	Pet votes: hamsters 8, turtles 10. Make a bar graph. Count by 2.	Title: Pet Votes. Bottom axis: Pet. Side axis: Number of Votes. Scale: 2. Bars: hamsters 8, turtles 10.
4	Snack votes: crackers 11, apples 13. Make a bar graph.	Title: Snack Votes. Bottom axis: Snack. Side axis: Number of Votes. Scale: 1. Bars: crackers 11, apples 13.

PART 2 • APPLY IT

- Title: Recess Choices. Bottom axis: Activity. Side axis: Number of Children. Scale: 1. Bars: jump rope 7, tag 9, chalk 3.** Use one bar for each activity. Make each bar as tall as its number of children.
- Title: Library Books. Bottom axis: Book Type. Side axis: Number of Books. Scale: 2. Bars: animal 8, space 10.** Label the side axis 0, 2, 4, 6, 8, 10. Draw the two bars to 8 and 10.

CHALLENGE

Title: Game Choices. Bottom axis: Game. Side axis: Number of Children. Scale: 1. Bars: puzzles 1, dolls 3, bikes 5, blocks 7, cards 9. Counting by 1 is a good scale because the counts are odd numbers.

Accept any clear title that names the data and equivalent axis labels. Bars must match the data, and the stated scale must be labeled correctly.