

Graphs & Data

Data & Measurement · Grade 5

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Which display is BEST for showing change over time (e.g. monthly temperatures)?

Answer: _____

2. Which display is BEST for comparing the SIZES of categories (e.g. votes per candidate)?

Answer: _____

3. Temperatures recorded Mon to Sun go up from Mon to Wed, then back down to Sun.

Which day was warmest?

Answer: _____

4. Boys and Girls participation in 4 activities is recorded side by side. In Reading, Girls = 18 and Boys = 12.

How many more girls than boys do Reading?

Answer: _____

5. In a class of 100 students: 25 chose reading, 30 chose sport, 35 chose music, 10 chose art.

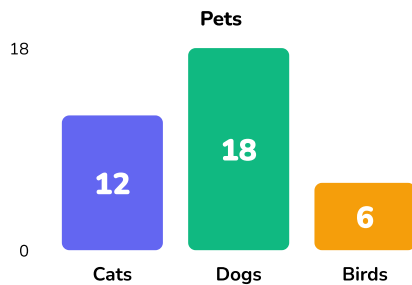
How many students chose music?

Answer: _____

6. Daily step counts for a week: Mon=4000, Tue=6000, Wed=5000, Thu=7000, Fri=8000, Sat=5500, Sun=6500.
Which day had the most steps?

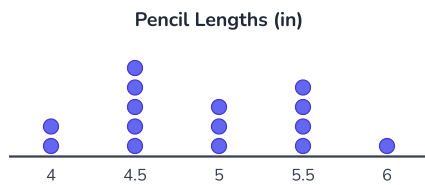
Answer: _____

7. From a bar graph: Cats=12, Dogs=18, Birds=6.
Total pets?



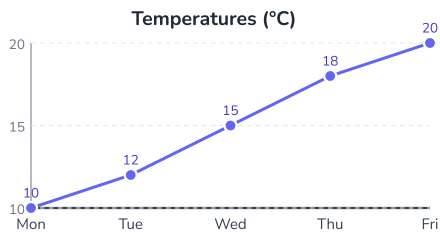
Answer: _____

8. Line plot shows pencil lengths (inches): 2 at 4, 5 at $4\frac{1}{2}$, 3 at 5, 4 at $5\frac{1}{2}$, 1 at 6. What is the most common length?



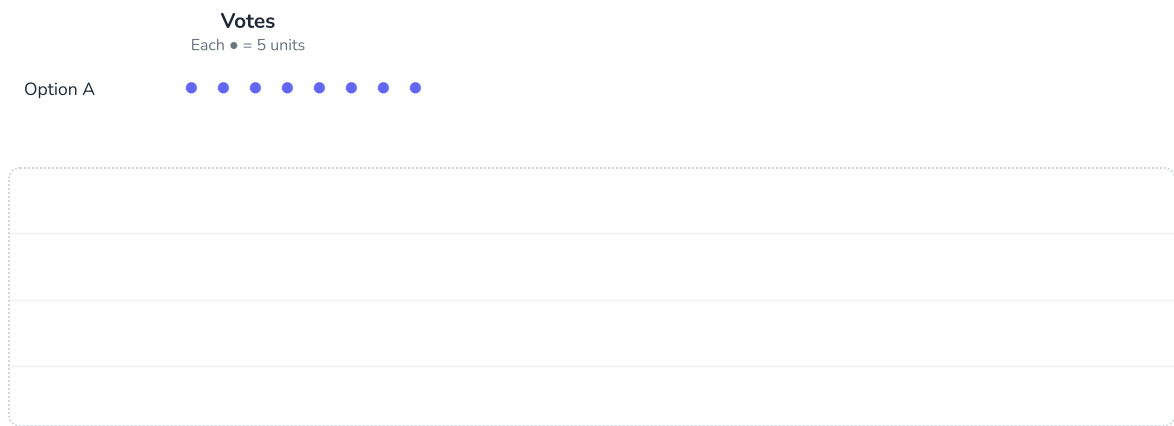
Answer: _____

9. Line graph: temperatures ($^{\circ}\text{C}$) Mon=10, Tue=12, Wed=15, Thu=18, Fri=20. Which day was coldest?



Answer: _____

10. Pictograph: each circle = 5 votes. There are 8 circles for option A.
How many votes for A?



Answer: _____

Answer Key

Graphs & Data — Easy

1. A line display (data points connected by lines)

Connected-line displays are designed for continuous data over time.

2. A bar display (rectangles per category)

Bar displays make category-vs-category comparison easy at a glance.

3. Wednesday

The peak in the trend was Wednesday.

4. 6

$18 - 12 = 6$ more girls.

5. 35 students

The number for music is 35.

6. Friday (8000)

The highest count is 8000 on Friday.

7. 36

$12 + 18 + 6 = 36$.

8. $4\frac{1}{2}$ inches

Count dots: $4\frac{1}{2}$ has 5 (the most). That is the mode.

9. Monday

10 is the smallest value.

10. 40 votes

$8 \times 5 = 40$.