

Shapes and Data Displays: math test, Grade 3 – download the PDF

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1

Quadrilaterals

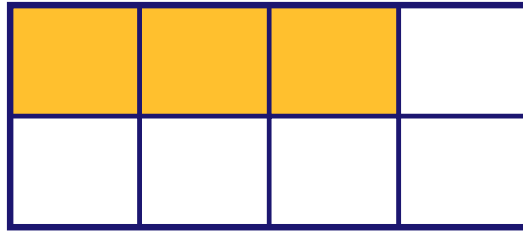
/ 4 pts

- a. Name the quadrilateral: 4 equal sides and 4 right angles. (1 pt)
- b. Name the quadrilateral: 4 right angles and two long sides and two short sides. (1 pt)
- c. Name the quadrilateral: 4 equal sides and no right angle. (1 pt)
- d. A rhombus has sides of 9 cm. What is its perimeter? (1 pt)

2 Equal parts

/ 3 pts

A rectangle is cut into 8 equal parts and 3 parts are shaded.



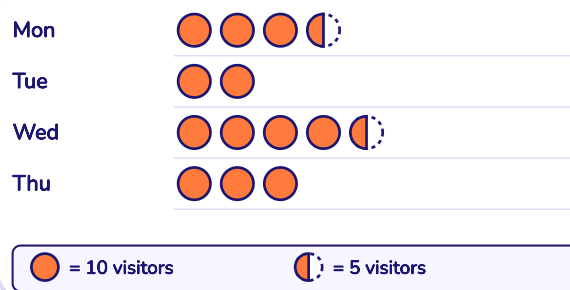
a rectangle cut into 8 equal parts

- a. What is the name of one part? (1 pt)
- b. What fraction is shaded? (1 pt)
- c. What fraction is not shaded? (1 pt)

3 Library visitors

/ 4 pts

One circle stands for 10 visitors.



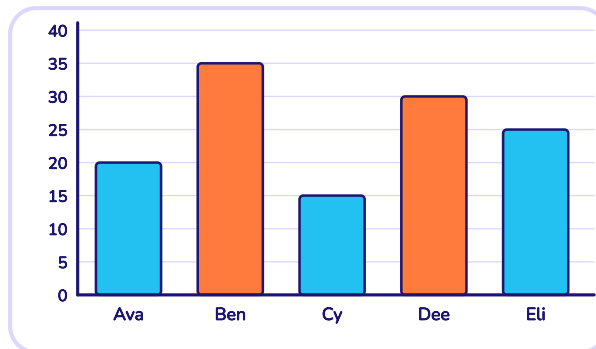
- a. How many visitors came on Wednesday? (1 pt)
- b. Which day had the fewest visitors? (1 pt)
- c. How many more visitors came on Wednesday than on Monday? (1 pt)
- d. How many visitors came in all? (1 pt)

4

Points scored

/ 4 pts

The lines of the graph count by 5.



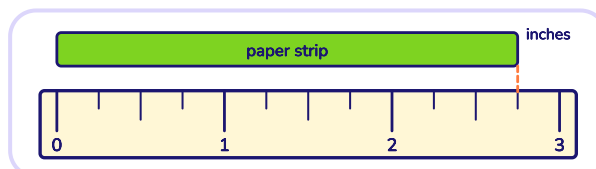
- Who scored the most points? (1 pt)
- How many more points did Ben score than Cy? (1 pt)
- How many points did Dee and Eli score together? (1 pt)
- Who scored exactly 10 fewer points than Ben? (1 pt)

5

Measuring

/ 2 pts

A strip of paper is laid on a ruler.



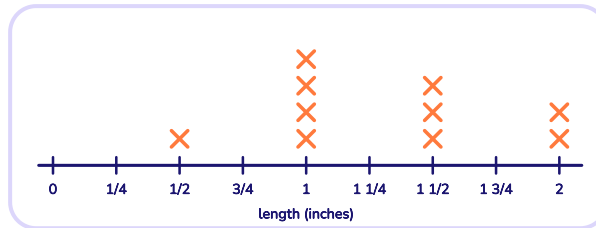
- How long is the strip? (1 pt)
- A second strip is $1\frac{1}{2}$ inches long. How much shorter is it than the first strip? (1 pt)

6

Nail lengths

/ 3 pts

Ten nails were measured to the nearest half inch.



- How many nails have a length of 1 inch? (1 pt)
- How many nails are longer than 1 inch? (1 pt)
- What is the most common length? (1 pt)

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