

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

Test solutions with the detailed point scale. Add up your points and spot what to review.

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

1 Quadrilaterals

/ 4 pts

- a. A square. (1 pt)
- b. A rectangle. (1 pt)
- c. A rhombus. (1 pt)
- d. $4 \times 9 = 36$ cm. (1 pt)

2 Equal parts

/ 3 pts

- a. One eighth, $\frac{1}{8}$. (1 pt)
- b. $\frac{3}{8}$. (1 pt)
- c. $8 - 3 = 5$, so $\frac{5}{8}$. (1 pt)

3 Library visitors

/ 4 pts

- a. 4 circles and a half circle: $40 + 5 = 45$. (1 pt)
- b. Tuesday, with 20 visitors. (1 pt)
- c. $45 - 35 = 10$ more. (1 pt)
- d. $35 + 20 + 45 + 30 = 130$ visitors. (1 pt)

4 Points scored

/ 4 pts

- a. Ben, with 35 points. (1 pt)
- b. $35 - 15 = 20$ points. (1 pt)
- c. $30 + 25 = 55$ points. (1 pt)
- d. $35 - 10 = 25$, so Eli. (1 pt)

5 Measuring

/ 2 pts

- a. It ends 3 small marks after 2: $2\frac{3}{4}$ inches. (1 pt)
- b. 11 quarters minus 6 quarters is 5 quarters, which is $1\frac{1}{4}$ inches. (1 pt)

6 Nail lengths

/ 3 pts

- a. 4 nails. (1 pt)
- b. $3 + 2 = 5$ nails: three at $1\frac{1}{2}$ and two at 2. (1 pt)
- c. 1 inch, since it has the tallest column of X marks. (1 pt)



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