

Shapes, Arrays and Equal Parts: math test, Grade 2 – download the PDF

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

1 Polygons

/ 4 pts

Name the polygon, using its number of sides.

- a. 5 sides
- b. 3 sides
- c. 6 sides
- d. 4 sides

2 Solids

/ 4 pts

A game die has the shape of a cube.

- a. How many faces does it have?
- b. How many edges?
- c. How many vertices?
- d. What shape is each face?

3 Arrays

/ 4 pts

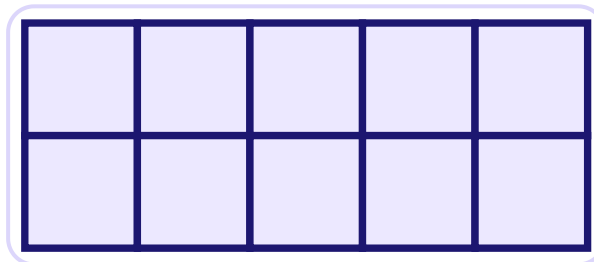
A teacher sets up 4 rows of 3 desks.

- a. Write a repeated addition sentence by rows. (1 pt)
- b. Write one by columns. (1 pt)
- c. How many desks are there? (1 pt)
- d. How many rows of 5 make 25? (1 pt)

4 Squares in a rectangle

/ 5 pts

A rectangle is partitioned into 2 rows of 5 equal squares.



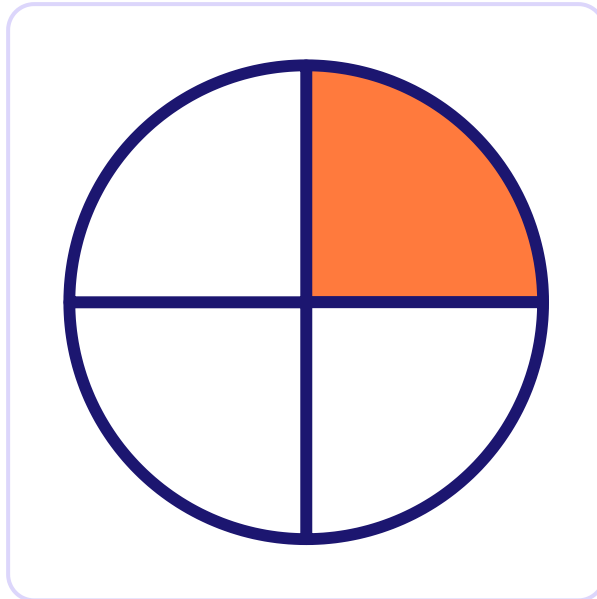
- a. Write an addition sentence to count the squares. (2 pts)
- b. How many squares are shaded if you shade one half? (2 pts)
- c. Why do all squares need to be the same size? (1 pt)

5

Equal parts

/ 3 pts

Look at the circle.



- a. What fraction word names the shaded part? (1 pt)
- b. How many of these parts make the whole circle? (1 pt)
- c. Tia cuts a pie into 2 parts, one big and one small. Are they halves? Explain. (1 pt)

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