

# Grade 3 EQAO Sample Question for Families

Please see below a EQAO digital math question and answer that you can work on with your child.

## Question

Choose the shape that would be sorted into **Section 2** of this Venn Diagram.

### Shapes

A Venn diagram with two overlapping circles. The left circle is labeled "4 Sides" and the right circle is labeled "Black". The regions are labeled: Section 1 (left only), Section 2 (intersection), Section 3 (right only), and Section 4 (bottom intersection). To the right are four options: A (L-shaped polygon), B (rectangle), C (diamond), and D (pentagon). Option C is selected.

## Correct Answer

Choose the shape that would be sorted into **Section 2** of this Venn Diagram.

### Shapes

The same Venn diagram as in the question. In this version, option C (the diamond) is highlighted with a blue border, indicating it is the correct answer.



## Definitions

- **Venn Diagram:** A diagram consisting of overlapping and/or nested shapes used to show what two or more sets have and do not have in common.
- **Side:** An outer boundary (a straight line) of a two-dimensional shape.

## Helpful Tips

- Section 2 of the diagram would hold any and all shapes that have 4 sides **and** is a black shape, according to the diagram headings
- C is the only shape (commonly called a “diamond,” but with the mathematical definition of “rhombus”) that meets the criteria of meeting the criteria of a black shape **and** exactly 4 sides.
- Shapes that would fit in section 1 would have exactly 4 sides, but **not** be black shapes
- Shapes that would fit in section 2 would be black shapes, but will **not** have 4 sides
- Shapes that would fit in section 3 would **not** have exactly 4 sides, **nor** will they be black shapes