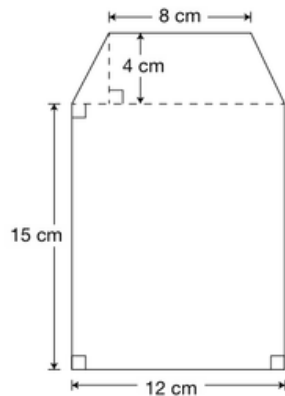


# Grade 6 EQAO Sample Question for Families

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

## Question

What is the **total** area of this polygon?



A 180 cm<sup>2</sup>

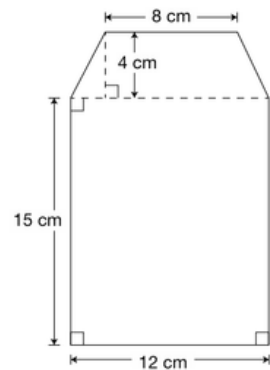
B 212 cm<sup>2</sup>

C 220 cm<sup>2</sup>

D 228 cm<sup>2</sup>

## Correct Answer

What is the **total** area of this polygon?



A 180 cm<sup>2</sup>

B 212 cm<sup>2</sup>

C 220 cm<sup>2</sup>

D 228 cm<sup>2</sup>

### Definition

**Area:** The amount of surface or space inside a two-dimensional region. (Ontario Mathematics Curriculum; 2020)

**Polygon:** A closed shape formed by three or more line segments; for example, triangle, quadrilateral, pentagon, octagon. A polygon cannot have curved sides.

### Helpful Tips

- Break the shape into smaller, familiar shapes (such as rectangles and triangles) and find the area of each part using known formulas.
- Add the areas of all the parts together to find the total area. Areas of smaller pieces can be combined to find the area of the whole shape.
- Remember that rearranging shapes does not change their area. **Pieces can be moved or recomposed into new shapes without changing the total area.**

