

Extra Practice 3

Master 4.38

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Lesson 4.3: Surface Area of a Right Rectangular Prism

1. Find the surface area of a rectangular prism measuring 5 m by 8 m by 9 m. Include a diagram.
2. Tracy made a stained-glass jewellery box.
It measured 20 cm by 12 cm by 8 cm.
 - a) About how much glass did Tracy use?
 - b) One piece of glass has an area of 100 cm^2 and costs \$3.65.
How much did the glass cost?
3. The surface area of a cube is 150 cm^2 .
 - a) What is the area of one face of the cube?
 - b) What is the length of one edge of the cube?
4. An open aquarium measures 80 cm by 35 cm by 45 cm.
What is the surface area of the aquarium?

