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Surface Area of Cubes and Cuboids Answers

Your Trun

1. For each question, calculate the total surface area.



ВЕТОИВ МАТИS

2. Calculate the total surface area of a cube with a side length of 11cm.

11 × 11 × 6 = 726cm²

3. Calculate the total surface area of a cube with a side length of $\frac{1}{2}$ cm.

 $0.5 \times 0.5 \times 6 = 1.5 \text{cm}^2$ Or $\frac{1}{2} \times \frac{1}{2} \times 6 = \frac{3}{2} \text{cm}^2 \text{ or } 1\frac{1}{2} \text{cm}^2$

4. Find the total surface area of the shape, giving your answer in square centimetres.



5. If the cube has a surface area of 54 cm^2 , find the value of *x*.



Challenge

A cube has a volume of 1000cm³. Calculate its total surface area.

∛1000 = 10

 $10 \times 10 \times 6 = 600 \text{ cm}^2$