

Push Tasks

1. A cube has side length x cm. Write an expression for its surface area.

2. A prism has length l , width w , and height h . Write an expression for its surface area.

8 cm



12.0 cm

17 cm

12 cm

12 cm



8.0 cm

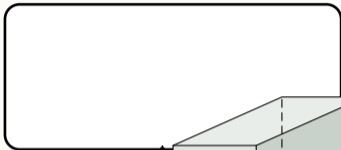
9 cm

10 cm

5 cm

10 cm

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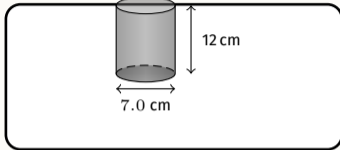
13. A cuboid has a square base of side 7 cm and total SA = 238 cm². Find its height.

16. A cuboid has dimensions in the ratio 3 : 2 : 1 and SA = 352. Find the dimensions.



14. If every edge of a cube doubles, by what factor does its surface area increase?

17. A cylinder ($r=3$, $h=5$) has a hemisphere ($r=3$) on top. Find total SA (exclude the join area).



15. If the radius and height of a cylinder both triple, by what factor does the SA increase?

