

Area and volume scale factors

Exit ticket **ANSWERS** Name _____

- 1 Two similar shapes have lengths 5 cm and 15 cm. The smaller has an area of 4 cm^2 . Find the area of the larger.

36 cm^2

- 2 Two similar solids have lengths 4 cm and 8 cm. The smaller has a volume of 7 cm^3 . Find the volume of the larger.

56 cm^3

- 3 Two similar solids have volumes 5 cm^3 and 135 cm^3 . The smaller is 3 cm tall. Find the height of the larger.

9 cm

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