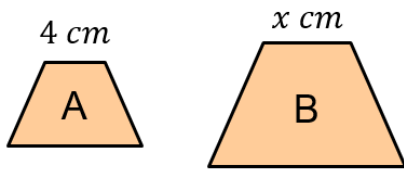
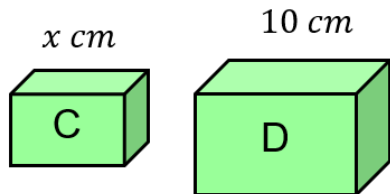


Harder Similar Areas and Volumes

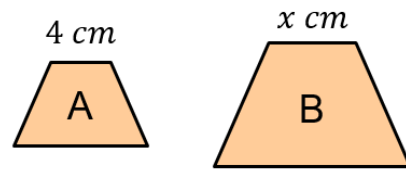


(a) The area of A is 20 cm^2 and the area of B is 180 cm^2 . Find x .

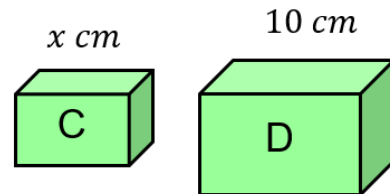


(b) The volume of C is 5 cm^3 and the volume of D is 320 cm^3 . Find x .

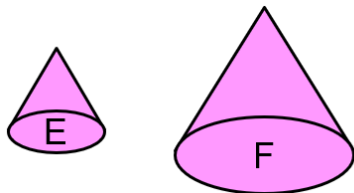
Harder Similar Areas and Volumes



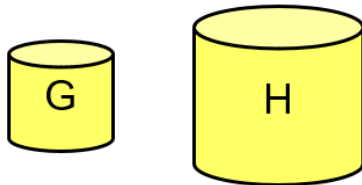
(a) The area of A is 20 cm^2 and the area of B is 180 cm^2 . Find x .



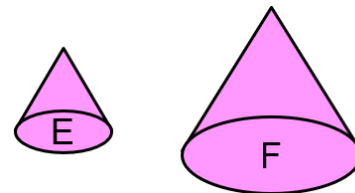
(b) The volume of C is 5 cm^3 and the volume of D is 320 cm^3 . Find x .



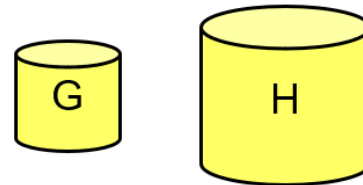
(c) The surface area of E is 15 cm^2 and the surface area of F is 60 cm^2 . If the volume of E is 27 cm^3 , find the volume of F.



(d) The volume of G is 4 cm^3 and the volume of H is 171.5 cm^3 . If the surface area of H is 122.5 cm^2 , find the surface area of G.



(c) The surface area of E is 15 cm^2 and the surface area of F is 60 cm^2 . If the volume of E is 27 cm^3 , find the volume of F.



(d) The volume of G is 4 cm^3 and the volume of H is 171.5 cm^3 . If the surface area of H is 122.5 cm^2 , find the surface area of G.

(e) If a painting with area of 220 cm^2 has a diagonal length of 21 cm , what will be the diagonal length of a similar painting with area 350 cm^2 ?

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(f) It takes 5.6 litres of paint to paint a tower that is 3 m high. What is the tallest similar tower that can be painted with 8 litres of paint?

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(g) A bronze statue has a mass of 300g and a height of 9 cm. A similar statue has a mass of 2 kg. What is its height?

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