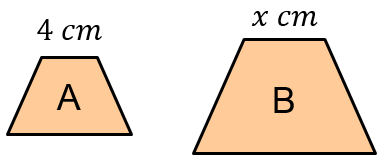
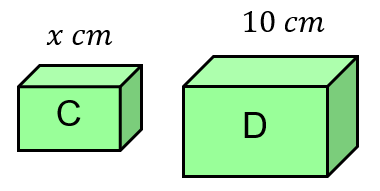
**Harder Similar Areas and Volumes**

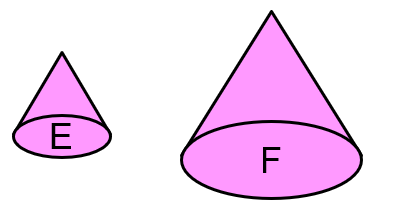


(a) The area of A is and the area

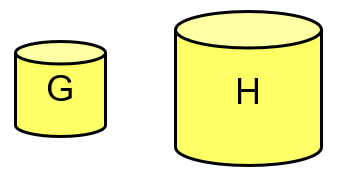
of B is . Find .



(b) The volume of C is and the volume of D is . Find .



(c) The surface area of E is and the surface area of F is . If the volume of E is , find the volume of F.



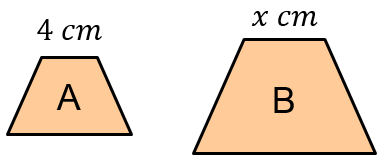
(d) The volume of G is and the volume of H is . If the surface area of H is , find the surface area of G.

(e) If a painting with area of has a diagonal length of , what will be the diagonal length of a similar painting with area ?

(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?

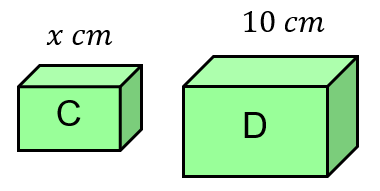
(g) A bronze statue has a mass of 300g and a height of 9 cm. A similar statue has a mass of 2 kg. What is its height?

**Harder Similar Areas and Volumes**

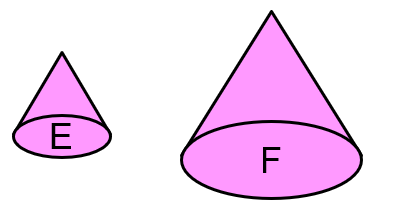


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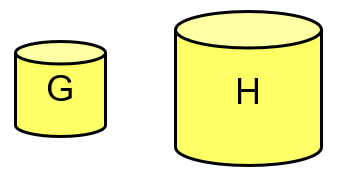
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