

ACTION

Revision Material

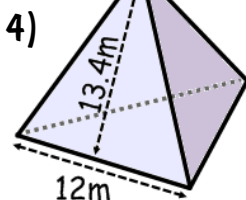
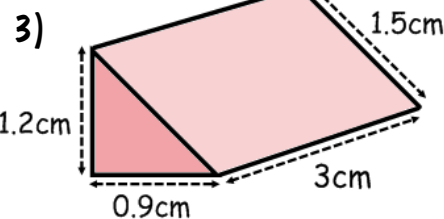
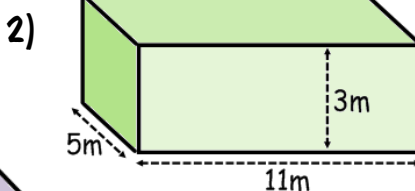
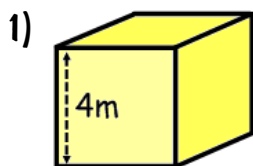


[http://corbettmaths.com/contents/Video 310 & 311](http://corbettmaths.com/contents/Video%20310%20&%20311)

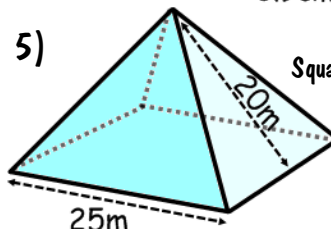
RESPONSE

Find the surface area of these 3D shapes

Cube



Tetrahedron
(Triangle-based pyramid)



Square-based pyramid

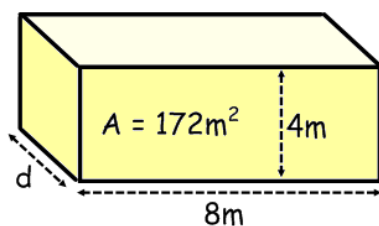
Fluency



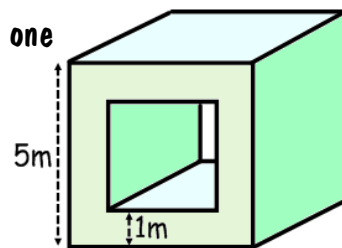
Reasoning



1) Find the missing length.



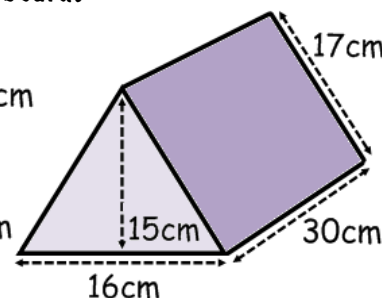
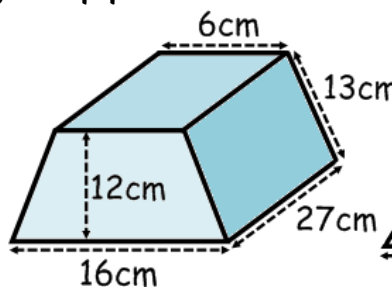
2) This cube has been hollowed out to make a square tube which is one metre thick. Calculate the surface area.



Problem Solving



Ethan is deciding on a box for his new range of sweets. The packaging company charges 20p per 250cm^2 of cardboard. Which design should Ethan choose and why? He gets 10% discount for ordering 500 boxes. How much will this initial order cost?



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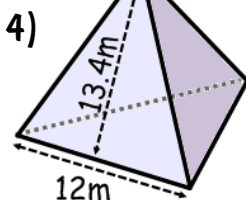
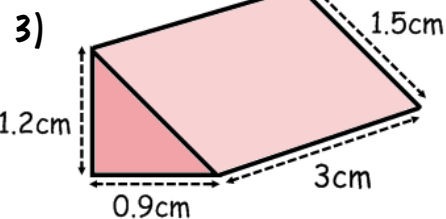
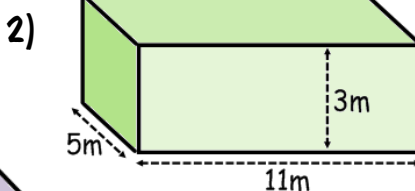
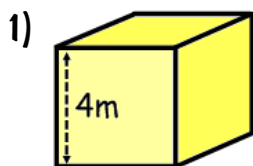


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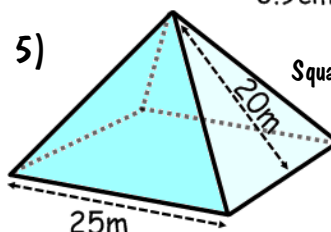
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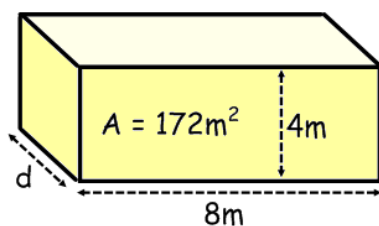
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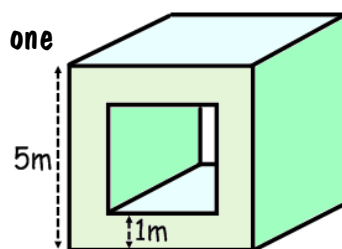
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