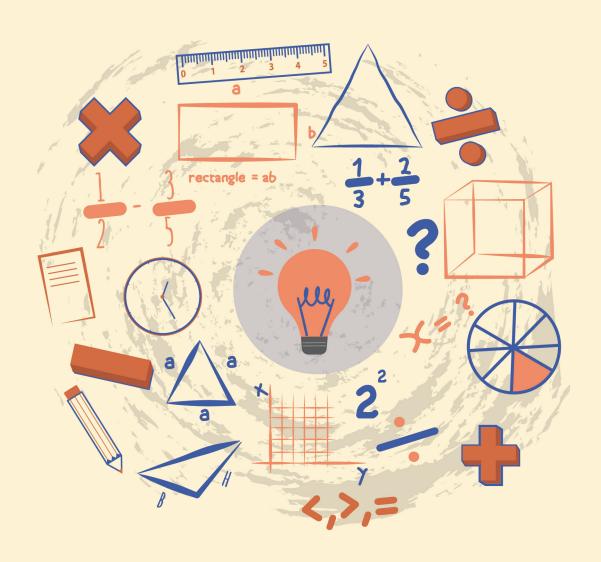


115 Marhs Geometry

COURSE HANDBOOK



Effective Crash Course

Practice Questions
 Homework
 Past Paper Questions



Coordinates

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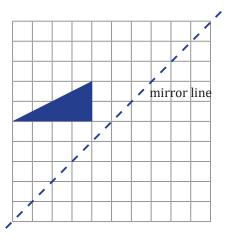
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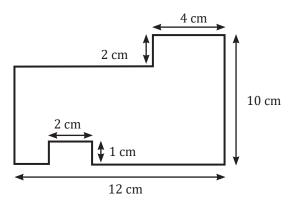


Practice Questions

A mirror line is passing through a grid. Draw the reflection of the triangle in the mirror line



Find the perimeter and the area of the given diagram.

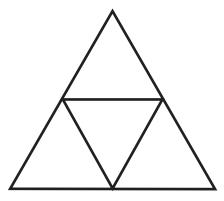






Practice Questions

Many equilateral triangles of equal sizes have been put together to form a bigger equilateral triangle below.



The area of the biggest equilateral triangle is 24 cm² Find out the area of the smallest equilateral triangle.

Rachell folds a Rectangular piece of paper in half to give a square. If the area of the square is 36 cm². What was the perimeter of the rectangular sheet?





Homework



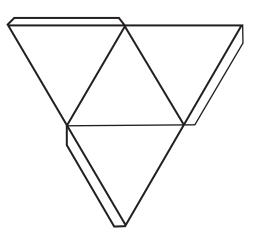
[2]



Find the amount of money required to paint the wall blue if the cost of painting is £100 per meter square.

What 3D shape will be made by folding the net above?

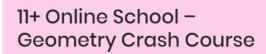
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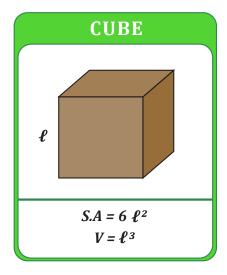
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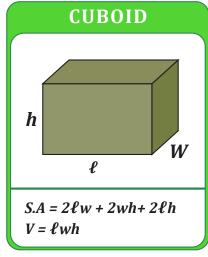
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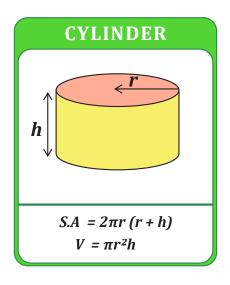


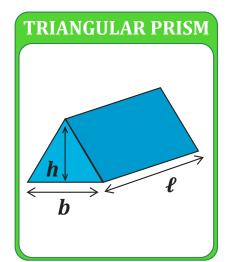


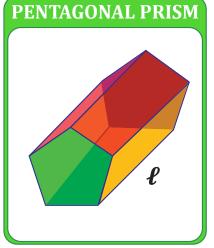
Keypoints

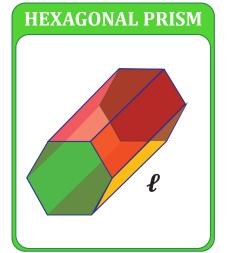












- Volume (V) of any Prism = Area of base x Length (ℓ)
- Surface Area (S.A) = Combined area of all the faces





Keywords

a) Surface Area
b) Volume
c) Prism
d) Pyramid
e) Cylinder
f) Cube
g) Cuboid
h) Cubic centimetres
i) Slicing
j) Pythagoras

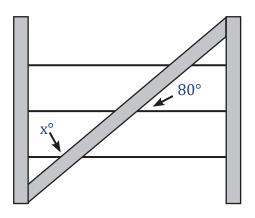
k) Body Diagonal





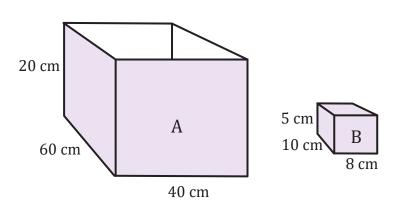
Practice Questions

A diagonal brace strengthens the bridge fence and prevents it from sagging. The brace makes an 80° angle with the bridge as shown. Find the value of x° .



Boxes A and B are both cuboids.

How many of box B could be packed into box A?

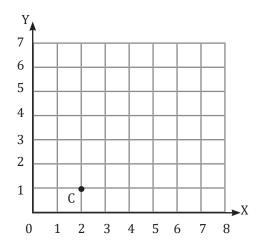






Homework

15 A, B, C, D are 4 points on a grid. B is at (2,5), C is at (2,1) and D is at (6,1)



Point A is such that, when points A, B, C, and D are joined, a square is formed. Write the coordinates of point A.



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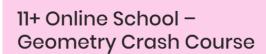
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