2D shapes and 3D shapes

Perimeter : Perimeter of any 2D figure is found by adding all the sides.
Perimeter of rectangle: 2 (L + W)
Where 'L' means the Length and 'W' means Width of the rectangle.

Exercise

1-2) Find the perimeter and the area of the following Rectangles having.
Area of Rectangle: L x W

a) L = 3 cm, W= 2 cm Perimeter=_____ Area= _____

b) L = 5 cm, W= 3 cm Perimeter=_____ Area= _____

c) L = 7 cm, W= 5 cm Perimeter=_____ Area= _____

d) L = 3.5 cm, W= 2.5 cm Perimeter=_____ Area= _____

e) L = 5.7 cm, W= 2.8 cm Perimeter=_____ Area= _____

3) Find the perimeter of the regular polygon .

a) Hexagon with length of side L = 5 cm Perimeter=_____

b) Octagon with length of side L = 7 cm Perimeter=_____

c) Pentagon with length of side L = 6 cm. Perimeter=_____

d) Square with length of side L = 3 cm Perimeter=_____

e) Triangle with length of side L = 4 cm Perimeter=_____

4) Find the area and perimeter of the following square

a) Length of side: 12 cm Area= _____, Perimeter=_____

b) Length of side: 4.5 cm Area= _____, Perimeter=_____

c) Length of side: 7 cm Area= _____, Perimeter=_____

d) Length of side: 8.3 cm Area= _____, Perimeter=_____

e) Length of side: 3 m Area= _____, Perimeter=_____

5) Find the side of the square

a) Perimeter of square is 20 cm . Length = _____

b) Perimeter of square is 32 cm. Length = _____

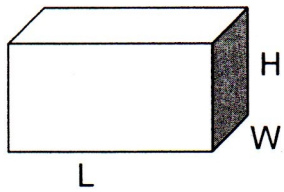
c) Area of square is 25 cm^2 Length = _____

d) Area of square is 16 cm^2 Length = _____

e) Perimeter of square is 16 cm , Length =_____

Cuboids and its properties.

Cuboid is 3 dimensional solid.



Number of faces:	6
Number of Vertex :	8
Number of edges:	12
3 dimensions:	Length (L), Width (W) and Height (H)
Volume:	L x W x H
Surface Area:	2(L x W + W x H + H x L)
Total Edge Length :	4(L + W + H)

6) Find the Volume, Surface Area and Total Edge Length of the following cuboids.
Length : 5 cm Width : 3 cm Height : 2 cm

a) Volume _____

b) Surface Area _____

c) Total Edge Length _____

7) Length : 3 cm Width : 2 cm Height : 1 cm

a) Volume _____

b) Surface Area _____

c) Total Edge Length _____

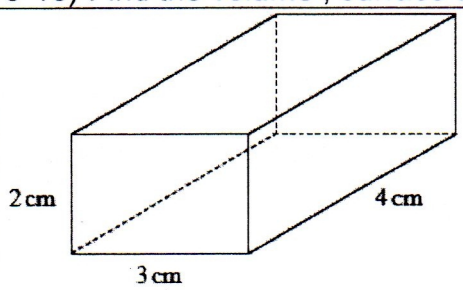
8) Length : 30 cm Width : 20 cm Height : 10 cm

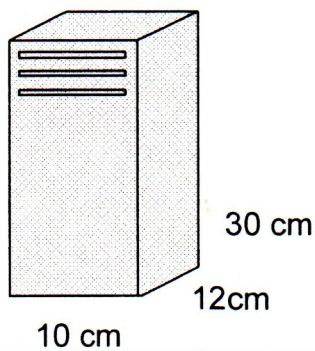
a) Volume _____

b) Surface Area _____

c) Total Edge Length _____

9-10) Find the volume , surface area and total edge length of the given figure.





a) Volume _____	a) Volume _____
b) Surface Area_____	b) Surface Area_____
c) Total Edge Length_____	c) Total Edge Length_____