## Perimeter, area and volume of cuboids and cube

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:
LxWxH
Surface Area:
$2(\mathrm{~L} \times \mathrm{W}+\mathrm{W} \times \mathrm{H}+\mathrm{H} \times \mathrm{L})$
Total Edge Length:
4( $L+W+H$ )
Find the Volume, Surface Area and Total Edge Length of the following cuboids.

1) Length: 7 cm Width : $5 \mathrm{~cm} \quad$ Height : 2 cm
a) Volume
b) Surface Area
c) Total Edge Length
2) Length: 6 cm

Width : 3 cm
Height : 2 cm
a) Volume
b) Surface Area
3) Length: 3.5 cm Width: $2.6 \mathrm{~cm} \quad$ Height: 1.7 cm (Calc)
a) Volume
b) Surface Area
c) Total Edge Length
4) Length: 5.4 cm Width: 3.8 cm

Height: 2.5 cm
a) Volume
b) Surface Area
c) Total Edge Length
5) Find the volume, surface area and total edge length of the given figure.

a) Volume
b) Surface Area
c) Total Edge Length $\qquad$
d) Number of faces $\qquad$
e) Number of edges $\qquad$

a) Volume
b) Surface Area $\qquad$
c) Total Edge Length
d) Number of faces
$\qquad$
e) Number of edges

Cube and its properties.
Cube is 3 dimensional solid.

Number of faces:
Number of Vertex:
Number of edges:
3 dimensions:
Volume:
Surface Area:
Total Edge Length:


L
12
Length $(\mathrm{L})=$ Width $(W)=$ Height $(H)=L$
$L \times L \times L=L^{3}$
$6 L^{2}$
12L

Find the Volume, Surface Area and Total Edge Length of the following cube.
7)
 5.5 cm
a) Volume
b) Surface Area
c) Total Edge Length $\qquad$
8) Length $=3 \mathrm{~cm}$.
a) Volume
b) Surface Area
c) Total Edge Length
9) Length $=7.5 \mathrm{~cm}$.
a) Volume
b) Surface Area
c) Total Edge Length $\qquad$
10) Length $=2.8 \mathrm{~cm}$.
a) Volume
b) Surface Area
c) Total Edge Length

