

INTERNATIONAL INDIAN SCHOOL

SA2 WORKSHEET

Class 5

Mathematics

Unit 12 Perimeter , Area and Volume

Fill in the blanks

1. _____ is the distance around the edge of a figure.
2. _____ is the amount of surface a figure covers.
3. _____ is the amount of space an object occupies.
4. Perimeter of a rectangle = _____.
5. Perimeter of a square = _____.
6. Area of a rectangle = _____.
7. Area of a square = _____.
8. Volume of a cuboid = _____.
9. Volume of a cube = _____.
10. Volume is measured in _____ units.
11. Area is measured in _____ units.
12. Perimeter of a rectangle of length 3cm and breadth 2cm is _____.
13. Area of a square of side 8m is _____.
14. Area of a rectangle of length 7cm and breadth 3cm is _____.
15. Perimeter of a square of side 1cm is _____.

Q.1. Find the perimeter and Area of these squares

a) Side = 30cm

b) Side = 11m

Q.2. Find the perimeter and area of these rectangles

a) $l = 25\text{cm}$, $b = 10\text{cm}$

b) $l = 14\text{cm}$, $b = 6\text{cm}$

Q.3. The perimeter of a square is 96m , Find its side?

Q.4. Area = 136 cm^2

Breadth = 8cm

Find the length of the rectangle?

Q.5. Find the breadth of a rectangle of length 20cm and area 220cm^2

Q.6. The breadth of a rectangular field is 7.8m and its length is 15.2m

Find its perimeter?

Q.7. Ram walks around a square garden whose side is 95m. One day he walked around the garden 3 times. How much did he walk in all?

Q.8. The perimeter of a square is 120cm what is the length of each side?

What is its area?

Q.9. Find the volume of cuboid

a) $l = 8\text{mm}$

$b = 6\text{mm}$

$h = 3\text{mm}$

b) $l = 25\text{cm}$

$b = 15\text{cm}$

$h = 4\text{cm}$

Q.10. Find the missing dimension

a) $v = 2420 \text{ cu.mm}$

$l = 20 \text{ mm}$

$b = 11 \text{ mm}$

$h = ?$

$v = 896 \text{ cu.mm}$

$l = 14\text{cm}$

$b = 8\text{cm}$

$h = ?$

Q.11. Find the volume of a cubic box whose sides are 9 cm long.

Q.12. A box has a length of 25 cm, breadth of 9 cm and height of 4 cm. What will be the volume of 2 such boxes piled one on top of the other?

Q.13. By how many ml would the water level rise if you place objects with these volumes in the measuring glass.

a) **40 cu.cm.**

b) **25 cu.cm.**

Q.13. What is the volume of objects that make the water level rise by.

a) 29 ml.

b) 93 ml.