	a of Cuboid and Cube
. Choose the correct answer:	
1. The total surface area of a cub	oid is:
a) 2(length + breadth + height)	
b) 2(length × breadth + breadth	1 × height + height × length)
d) $4(\text{length} \times \text{breadth} \times \text{height})$	
2. If the side of a cube is 6 cm. its	s total surface area is:
a) 36 cm ²	b) 72 cm ²
c) 216 cm ²	d) 6 cm²
3. The formula for the lateral sur	face area of a cuboid is:
a) 2(length + breadth) × height	
b) $2(\text{length} \times \text{breadth})$	v longth)
d) length × breadth × height	(length)
4. A cuboid has dimensions 5 cm	, 3 cm, and 2 cm. Its total su
a) 62 cm²	b) 62 cm ³
c) 60 cm²	d) 70 cm²
5. How many faces does a cuboic	l have?
a) 5	b) 6
c) 8	d) 4
. Write the Missing Terms to Co	mplete the Sentences:
1. Total surface area of a cube = _	× side ²
2. A cuboid has faces	5
 Total surface area of a cuboic breadth, h = height 	d = 2(lb + bh + hl), where l
4. If all edges of a cuboid are equa	al, it is called a
5. The unit of surface area is expr	essed in units
Figure out the answers to thes	e questions:
1 Find the total surface area of a	auboid of dimensions 0 cm

- 3. A cuboid has length 10 cm, breadth 7 cm, and height 5 cm Find its total surface area
- 4. Find the lateral surface area of a cuboid with dimensions 12 cm, 8 cm, and 5 cm
- 5. Find the total surface area of a cube whose edge is 5 cm

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. The total surface area of a cube is 4 × side².
- 2. The total surface area of a cuboid is the sum of areas of all six faces.
- 3. The lateral surface area of a cuboid includes the top and bottom faces.
- 4. A cube has six faces and all are equal squares.
- 5. The formula for the total surface area of a cuboid involves three different dimensions. _____

E. Challenge yourself with these questions:

- 1. Find the total surface area of a cuboid whose length is 15 cm, breadth is 10 cm, and height is 7 cm.
- 2. A cube has a surface area of 294 cm² Find its side length.
- 3. Calculate the total surface area of a cube whose side is 11 cm.
- 4. Find the total surface area of a cuboid with dimensions 9 cm, 5 cm, and 2 cm.
- 5. Find the lateral surface area of a cuboid whose length is 12 cm, breadth is 8 cm, and height is 6 cm.