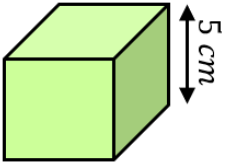
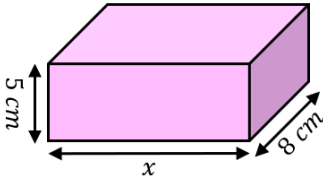
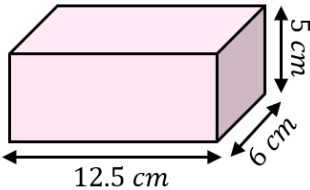
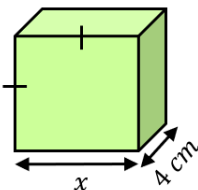
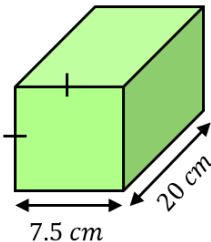
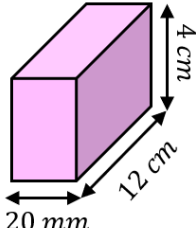


Volume of Cubes and Cuboids

1	Find the volume of the cube. 	5	The volume is 420 cm^3 . Find x . 	9	A cuboid with dimensions 12 cm by 24 cm by 40 cm is filled by 180 identical cubes. What is the length of the side of a cube?
2	Find the volume. 	6	The volume is 289 cm^3 . Find x . 	10	The volume of a cube is twice the volume of a cuboid with dimensions 3 cm by 4 cm by 9 cm . Find the side length of the cube.
3	Find the volume. 	7	Find the side length of a cube with volume 3375 cm^3 .	11	A cuboid has side lengths in the ratio $2 : 4 : 5$. If the shortest side length is 5 cm , find the volume of the cuboid.
4	Find the volume. 	8	Find the volume of a cuboid whose side lengths in cm are the first, third and fifth prime numbers.	12	A cuboid has sides of length x , x and $3x$. Its volume is 1536 cm^3 . Find the value of x .

A	15 <i>cm</i>	D	8 <i>cm</i>	G	10.5 <i>cm</i>	J	4 <i>cm</i>
B	110 <i>cm</i> ³	E	8.5 <i>cm</i>	H	625 <i>cm</i> ³	K	125 <i>cm</i> ³
C	6 <i>cm</i>	F	375 <i>cm</i> ³	I	96 <i>cm</i> ³	L	1125 <i>cm</i> ³

[illegible]