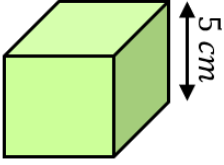
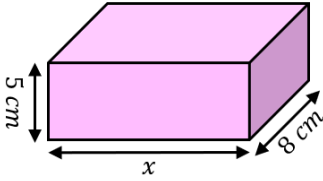
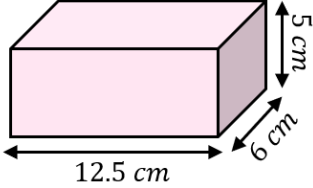
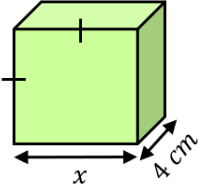
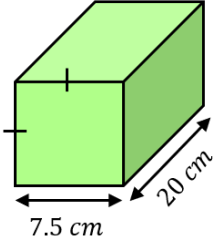
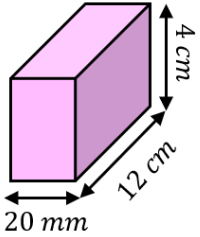


# Match-Up

# Volume of Cubes and Cuboids

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

<b>A</b>	$15 \text{ cm}$	<b>D</b>	$8 \text{ cm}$	<b>G</b>	$10.5 \text{ cm}$	<b>J</b>	$4 \text{ cm}$
<b>B</b>	$110 \text{ cm}^3$	<b>E</b>	$8.5 \text{ cm}$	<b>H</b>	$625 \text{ cm}^3$	<b>K</b>	$125 \text{ cm}^3$
<b>C</b>	$6 \text{ cm}$	<b>F</b>	$375 \text{ cm}^3$	<b>I</b>	$96 \text{ cm}^3$	<b>L</b>	$1125 \text{ cm}^3$

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>K</b>	<b>F</b>	<b>L</b>	<b>I</b>	<b>G</b>	<b>E</b>	<b>A</b>	<b>B</b>	<b>J</b>	<b>C</b>	<b>H</b>	<b>D</b>