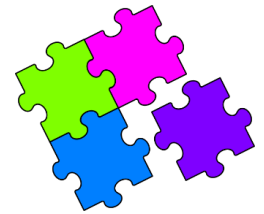
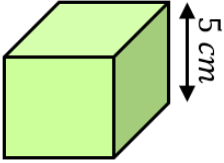
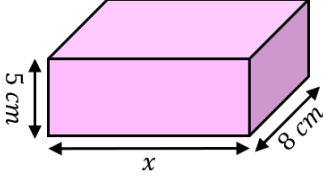
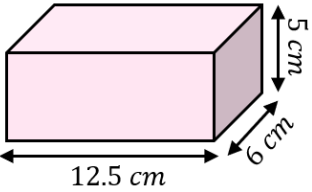
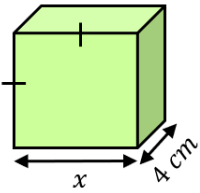
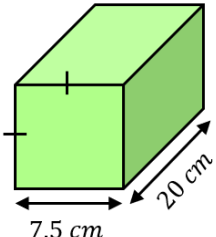
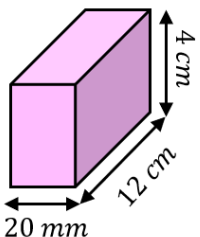


Match-Up



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 cm | D | 8 cm | G | 10.5 cm | J | 4 cm |
| B | 110 cm^3 | E | 8.5 cm | H | 625 cm^3 | K | 125 cm^3 |
| C | 6 cm | F | 375 cm^3 | I | 96 cm^3 | L | 1125 cm^3 |

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