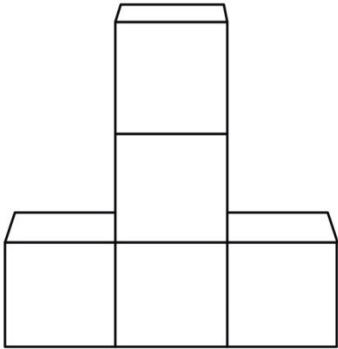


**Skill Set 29 – Painted cubes**

The figure below is made up of 5 identical cubes. The length of each cube is 2 cm. The figure is painted red. Find the total area that is painted red.



$$2 \times 2 = 4 \text{ cm}^2$$

$$5 \times 2 \text{ (Front and Back)} + 3 \times 2 \text{ (Top and Bottom)} + 3 \times 2 \text{ (2 sides)} = 22$$

$$\text{Total area that are painted red} = 22 \times 4 = \mathbf{88 \text{ cm}^2}.$$

The total area that is painted red is **88 cm<sup>2</sup>**.