

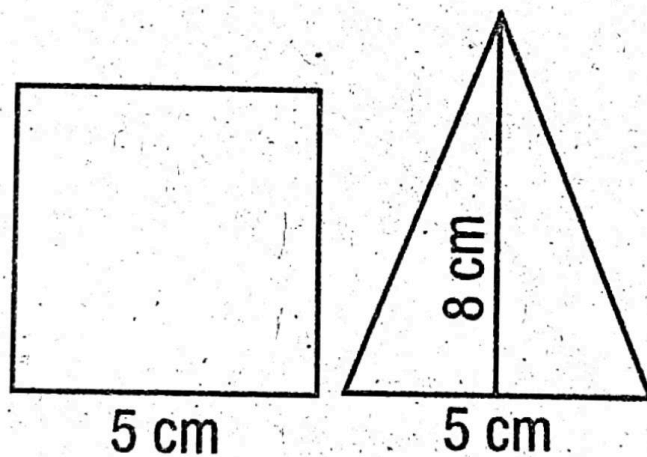
1. A square of side 5 centimetres and four isosceles triangles of base 5 centimetres and height 8 centimetres, are to be put together to make a square pyramid. How many square centimetres of paper is needed?

Area of square (base)

$$= 5 \times 5 = 25 \text{ sq.cm.}$$

Area of 4 triangles

$$= 4 \times \frac{1}{2} \times 5 \times 8 = 80 \text{ sq.cm.}$$



$$\text{Surface area} = 25 + 80$$

$$= 105 \text{ sq.cm.}$$

Area of paper needed to make the pyramid = 105 sq.cm.