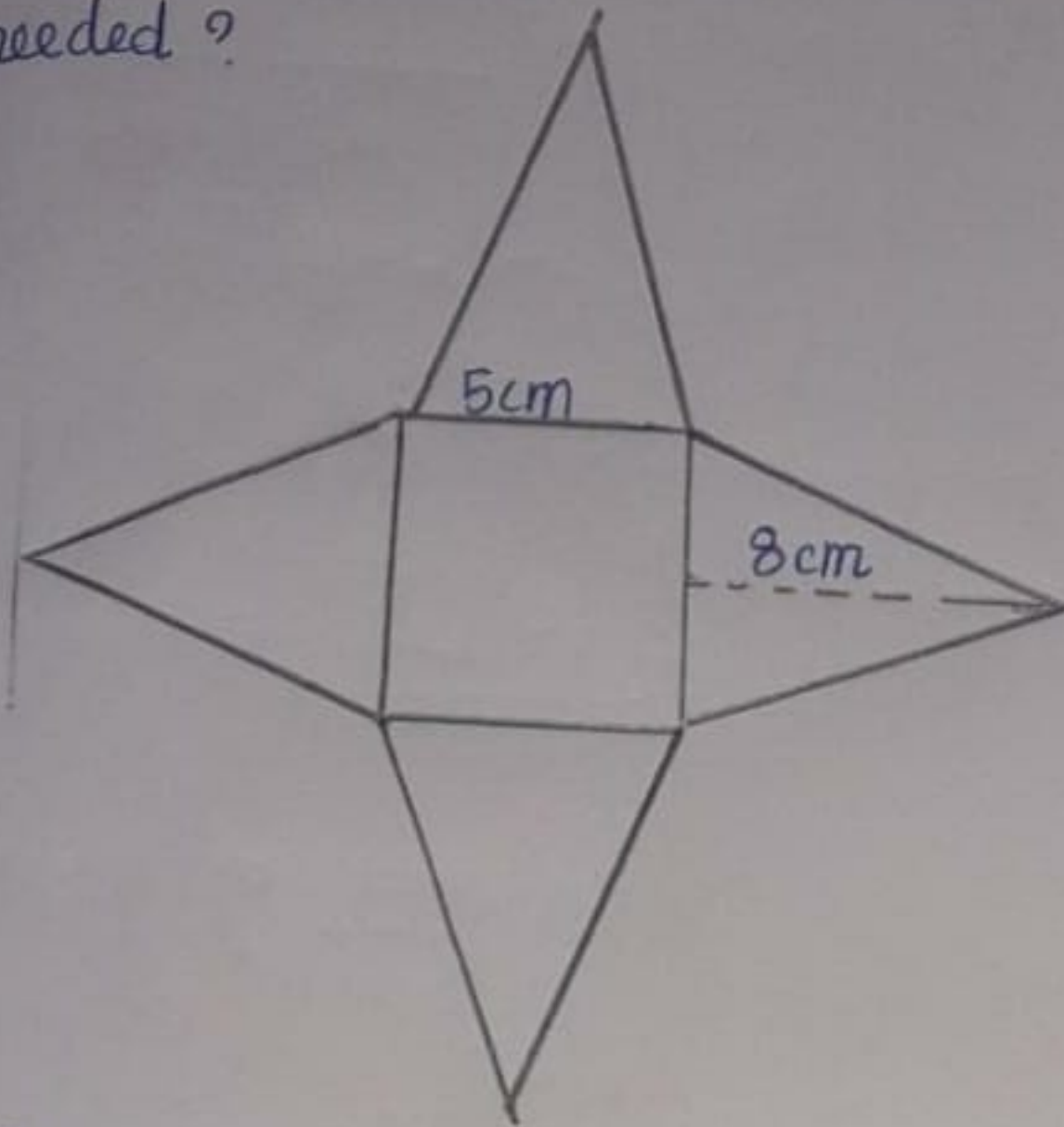


A square of sides 5 cm, and four isosceles triangles of base 5 cm and height 8 cm, are to be put together to make a square pyramid. How many square centimetres of paper is needed?

Ans:-



$$\text{Area} = \text{Base area} + 4 \times (\text{lateral area})$$

$$\text{Base area} = 5 \times 5 = 25 \text{ cm}^2$$

$$\text{Lateral area} = \frac{1}{2} \times 4 \times 8 \times 5 = 20 \text{ cm}^2$$

$$\text{Area} = 25 + (4 \times 20)$$

$$= 25 + 80$$

$$= \underline{\underline{105 \text{ cm}^2}}$$

105 cm<sup>2</sup> paper is needed.