

Name

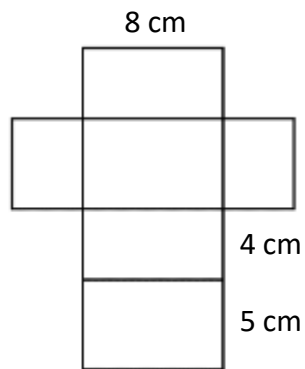
Date



SURFACE AREA CUBES, PRISMS & PYRAMIDS 1

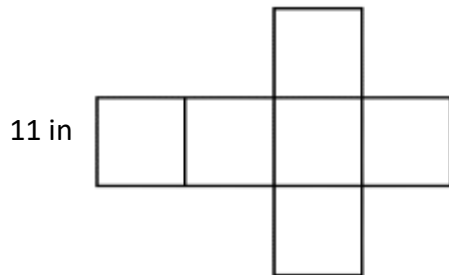
Find the surface areas of these shapes.

1)



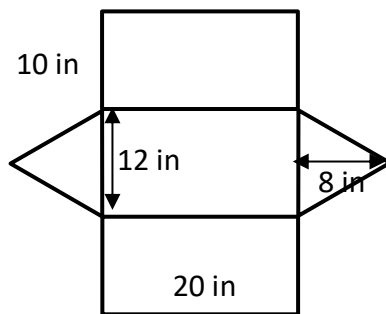
Surface area

2)



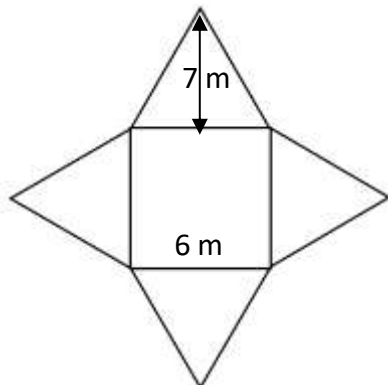
Surface area

3)



Surface area

4)



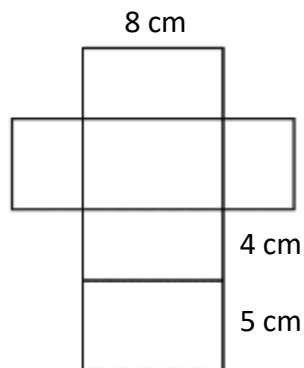
Surface area





SURFACE AREA CUBES, PRISMS & PYRAMIDS 1 ANSWERS

1)



Surface area

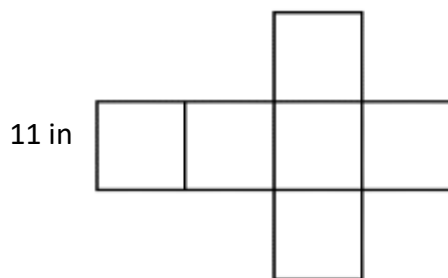
$$\text{Face 1: } 8 \times 5 = 40 \text{ cm}^2$$

$$\text{Face 2: } 8 \times 4 = 32 \text{ cm}^2$$

$$\text{Face 3: } 5 \times 4 = 20 \text{ cm}^2$$

$$\text{Surface area} = 2 \times 40 + 2 \times 32 + 2 \times 20 \\ = 80 + 64 + 40 = 184 \text{ cm}^2$$

2)

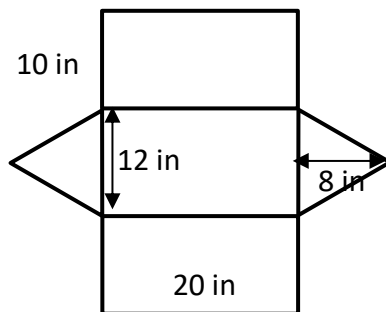


Surface area

$$\text{Face 1: } 11 \times 11 = 121 \text{ cm}^2$$

$$\text{Surface area} = 121 \times 6 = 726 \text{ cm}^2$$

3)



Surface area

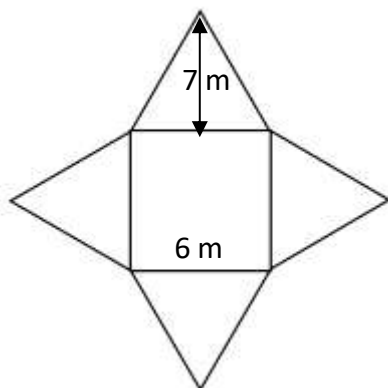
$$\text{Face 1: } 20 \times 10 = 200 \text{ in}^2$$

$$\text{Face 2: } 20 \times 12 = 240 \text{ in}^2$$

$$\text{Face 3: } \frac{1}{2} \times 12 \times 8 = 48 \text{ in}^2$$

$$\text{Surface area} = 2 \times 200 + 240 + 2 \times 48 \\ = 400 + 240 + 96 = 736 \text{ in}^2$$

4)



Surface area

$$\text{Square Face: } 6 \times 6 = 36 \text{ m}^2$$

$$\text{Triangular face: } \frac{1}{2} \times 6 \times 7 = 21 \text{ m}^2$$

$$\text{Surface area} = 36 + 4 \times 21 \\ = 36 + 84 = 120 \text{ m}^2$$

