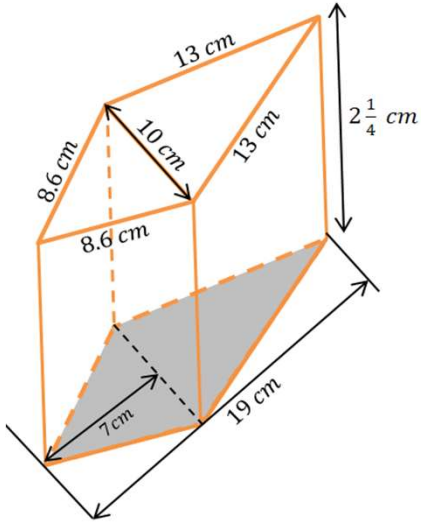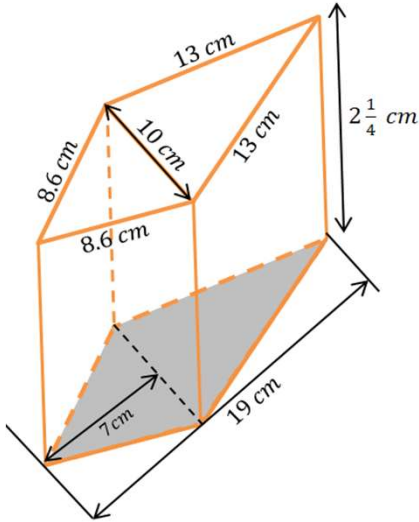# Surface Area Worksheets

1. Find the surface area of the following right prism using the formula $SA = LA + 2B$

Surface Area Worksheets

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$$SA = LA + 2B$$

$$LA = P \cdot h$$

$$LA = (13 \text{ cm} + 13 \text{ cm} + 8.6 \text{ cm} + 8.6 \text{ cm}) \cdot 2\frac{1}{4} \text{cm}$$

$$LA = (26 \text{ cm} + 17.2 \text{ cm}) \cdot 2\frac{1}{4} \text{ cm}$$

$$LA = (43.2)\text{cm} \cdot 2\frac{1}{4} \text{cm}$$

$$LA = (86.4 \text{ cm}^2 + 10.8 \text{ cm}^2)$$

$$LA = 97.2 \text{ cm}^2$$

$$B = \frac{1}{2}(10 \text{ cm} \cdot 7 \text{ cm}) + \frac{1}{2}(12 \text{ cm} \cdot 10 \text{ cm})$$

$$B = \frac{1}{2}(70 \text{ cm}^2 + 120 \text{ cm}^2)$$

$$B = \frac{1}{2}(190 \text{ cm}^2)$$

$$B = 95 \text{ cm}^2$$

$$SA = LA + 2B$$

$$SA = 97.2 \text{ } cm^2 + 2(95 \text{ cm}^2)$$

$$SA = 97.2 \text{ cm}^2 + 190 \text{ cm}^2$$

$$SA = 287.2 \text{ cm}^2$$

The surface area of the prism is 287.2 cm^2.