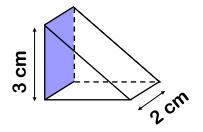


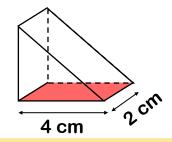
Find the total surface area of this triangular prism

Notice: How many sides does it have?



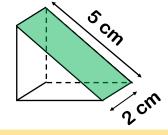
Area of the blue rectangle face =

 $3 \text{ cm x } 2 \text{ cm} = 6 \text{ cm}^2$



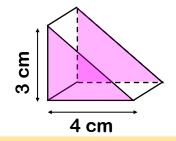
Area of the red rectangle face =

 $4 \text{ cm x } 2 \text{ cm} = 8 \text{ cm}^2$



Area of the green rectangle face =

 $5 \text{ cm x } 2 \text{ cm} = 10 \text{ cm}^2$

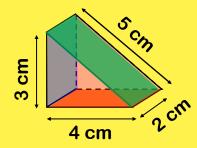


Area of one purple triangle face =

 $3 \text{ cm x } 4 \text{ cm } \div 2 = 6 \text{ cm}^2$

Area of two purple triangle faces =

 $6 \text{ cm}^2 \times 2 = 12 \text{ cm}^2$



Total surface area =

 $6 \text{ cm}^2 + 8 \text{ cm}^2 + 10 \text{ cm}^2$

+ 12 cm² = 36 cm²