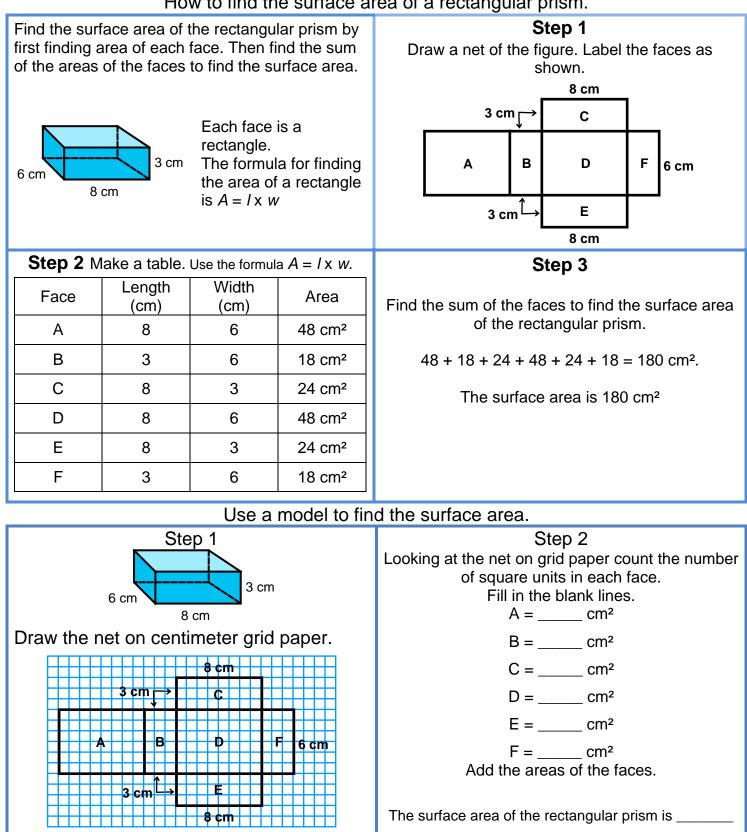
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Surface area is the total area of the surface of a solid figure.

How to find the surface area of a rectangular prism.

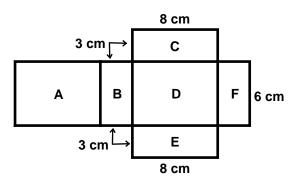


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## Surface Area: Skill 5 - 23B

Calculate the surface area of a rectangular prism using an easier method.

The opposite faces of a rectangular prism are congruent. Look at the net below. When folded A and D are opposite faces. Also, B and F are opposite faces and C and E are opposite faces.



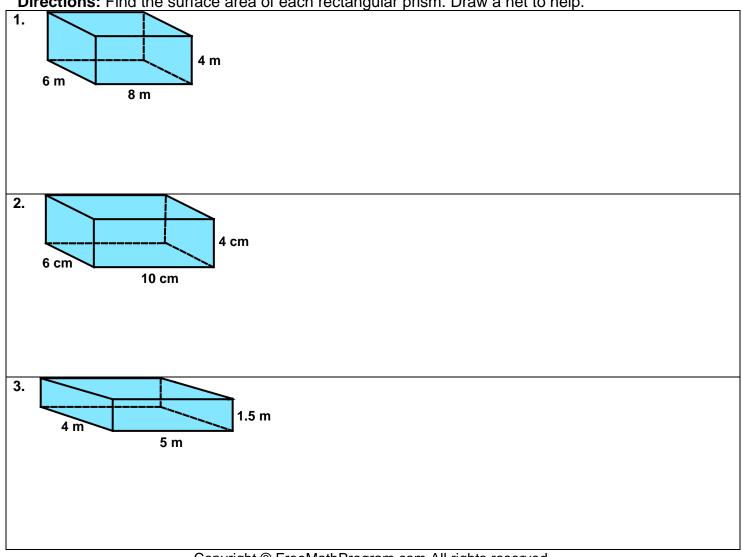
Faces A and D are congruent.  $A = 2 \times (8 \times 6) = 2 \times 48 = 96 \text{ cm}^2$ 

Faces B and F are congruent.  $A = 2 \times (3 \times 6) = 2 \times 18 = 36 \text{ cm}^2$ 

Faces C and E are congruent.  $A = 2 \times (8 \times 3) = 2 \times 24 = 48 \text{ cm}^2$ 

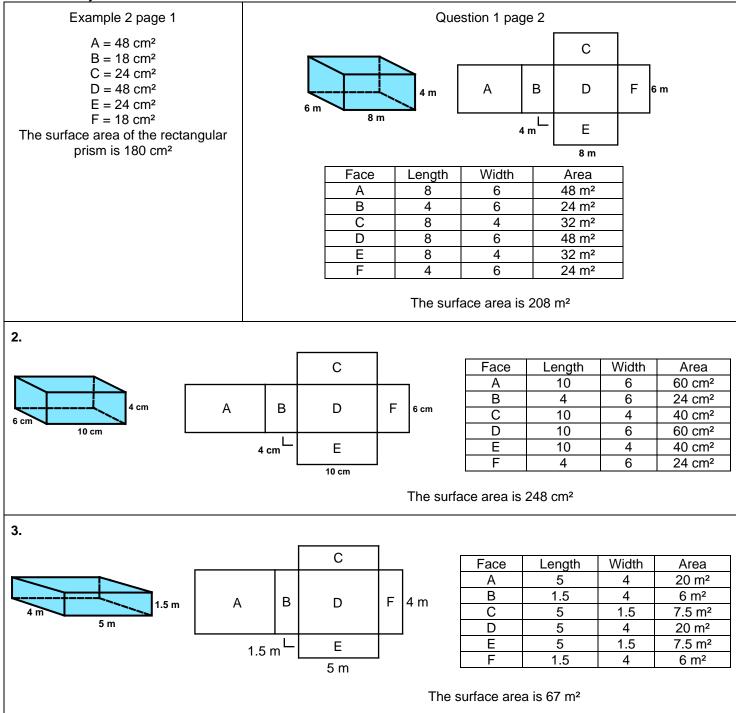
Total surface area =  $96 + 36 + 48 = 180 \text{ cm}^2$ 

**Directions:** Find the surface area of each rectangular prism. Draw a net to help.



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## Answer Key Skill 23B Grade 5



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