

**UNIDAD 4.4**

**Surface Area Triangular Prisms**

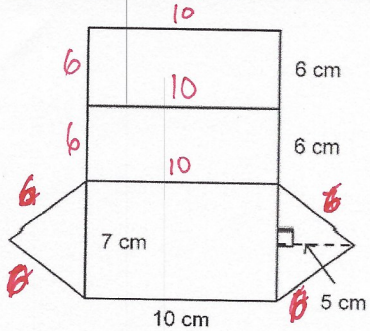
Prismas Rectangulares = 6 Caras  
 Prismas Triangulares = 5 caras

2 Triangulos  
 5 Rectangulos

**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

1. Calculate the area of this net of a right triangular prism.

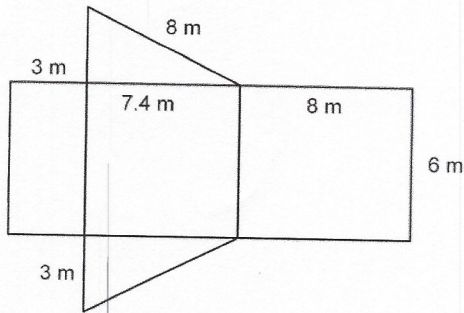


• Triangulos equilateros  
 • Isosceles!

Area

- a. 225 cm<sup>2</sup>      b. 207.5 cm<sup>2</sup>      c. 165 cm<sup>2</sup>      d. 147.5 cm<sup>2</sup>

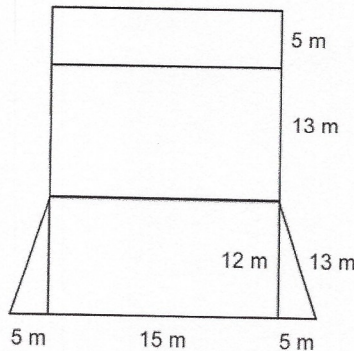
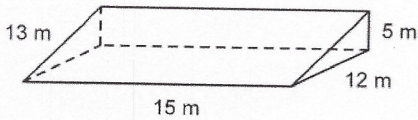
2. Calculate the area of this net of a right triangular prism.



Area

- a. 88.2 m<sup>2</sup>      b. 132.6 m<sup>2</sup>      c. 56 m<sup>2</sup>      d. 66.6 m<sup>2</sup>

3. Use the net to find the surface area of the right triangular prism.



Area

- a. 90 m<sup>2</sup>      b. 585 m<sup>2</sup>      c. 510 m<sup>2</sup>      d. 2340 m<sup>2</sup>



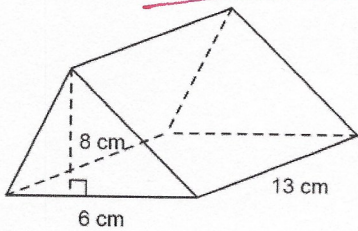
Name: \_\_\_\_\_

READ THE QUESTIONS

ID: A

→ ONLY!

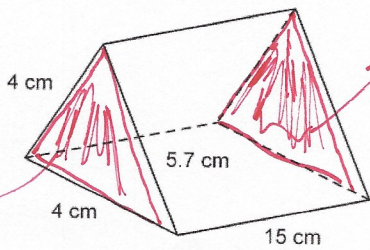
4. Calculate the area of the 2 triangular faces of this right triangular prism.



Area de las dos caras triangulares solamente

- a.  $24 \text{ cm}^2$
- b.  $48 \text{ cm}^2$
- c.  $39 \text{ cm}^2$
- d.  $96 \text{ cm}^2$

5. The area of each triangular face of this right triangular prism is  $8 \text{ cm}^2$ . Calculate the total surface area of the prism.

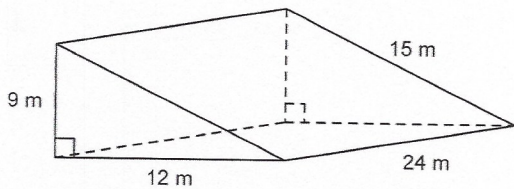


Area = 8

Calcula el área total del prisma

- a.  $28.7 \text{ cm}^2$
- b.  $120 \text{ cm}^2$
- c.  $213.5 \text{ cm}^2$
- d.  $221.5 \text{ cm}^2$

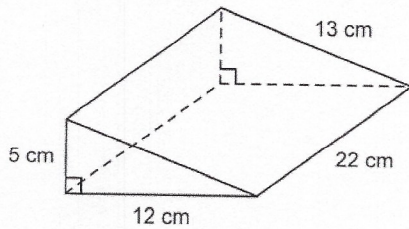
6. Calculate the surface area of this right triangular prism.



Area = ?

- a.  $1080 \text{ m}^2$
- b.  $918 \text{ m}^2$
- c.  $648 \text{ m}^2$
- d.  $972 \text{ m}^2$

7. Calculate the surface area of this right triangular prism.



Area = ?

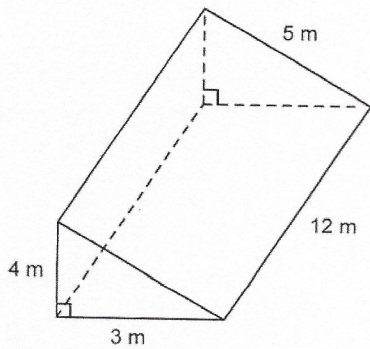
- a.  $720 \text{ cm}^2$
- b.  $868 \text{ cm}^2$
- c.  $660 \text{ cm}^2$
- d.  $780 \text{ cm}^2$



Name: \_\_\_\_\_

ID: A

8. Calculate the surface area of this right triangular prism.



AREA = ?

- a.  $156 \text{ m}^2$       b.  $168 \text{ m}^2$       c.  $120 \text{ m}^2$       d.  $108 \text{ m}^2$

9. The total area of the 3 rectangular faces of a right triangular prism is  $56 \text{ cm}^2$ . The total surface area of the prism is  $68 \text{ cm}^2$ . Find the area of each triangular face.

- a.  $6 \text{ cm}^2$       b.  $12 \text{ cm}^2$       c.  $1.2 \text{ cm}^2$       d.  $49.3 \text{ cm}^2$

TOTAL AREA OF 3 Rectangles = 56

TOTAL AREA =  $68 \text{ cm}^2$

AREA OF EACH TRIANGULAR FACE? (there are 2 Triangular Faces)

El área de 3 Rectángulos juntos =  $56 \text{ cm}^2$

El área total del prisma =  $68 \text{ cm}^2$

Área de Cada cara Triangular