

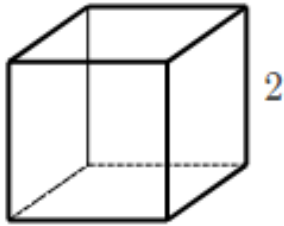
Surface Area



- Find area
of each
side

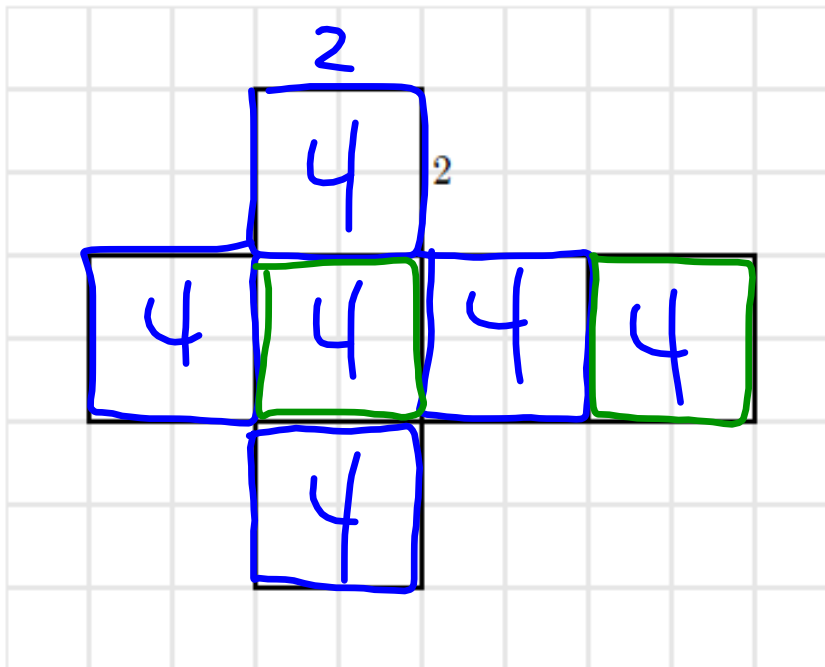
- Add all
areas

Check out this cube:



$$\begin{aligned} a_p &= l \times w \\ &= 2 \times 2 \\ &= 4 \end{aligned}$$

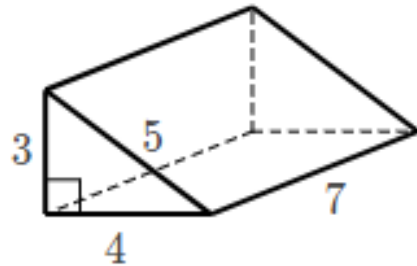
Find the surface area of the cube (above) using its net (below).



$$4 + 4 + 4 + 4 + 4 + 4$$

$$6 \times 4 = 24$$

Check out this right triangular prism:

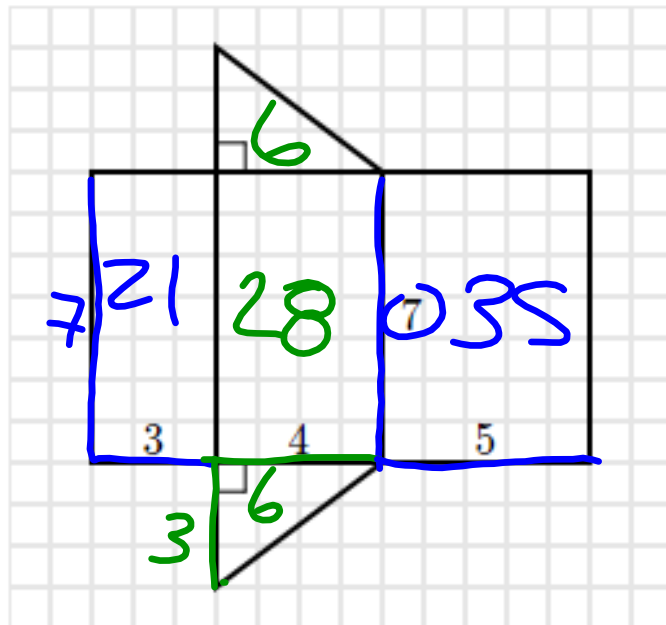


$$a_{\square} = l \times w$$

$$a_{\Delta} = \frac{1}{2}bh$$

$$\frac{1}{2} \cdot 12$$

Find the surface area of the right triangular prism (above) using its net (below).



$$\begin{array}{r} 35 \\ 28 \\ 21 \\ + 6 \\ + 6 \\ \hline 96 \end{array}$$

Ben made a model (shown below) of the square pyramid he plans to build when he grows up.

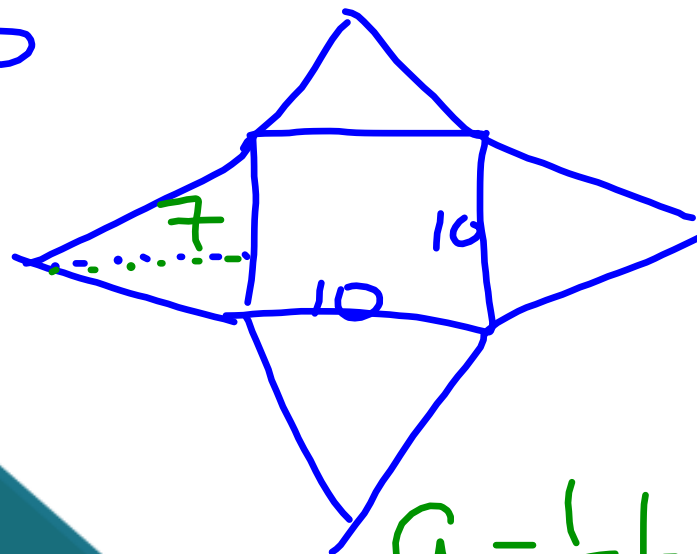
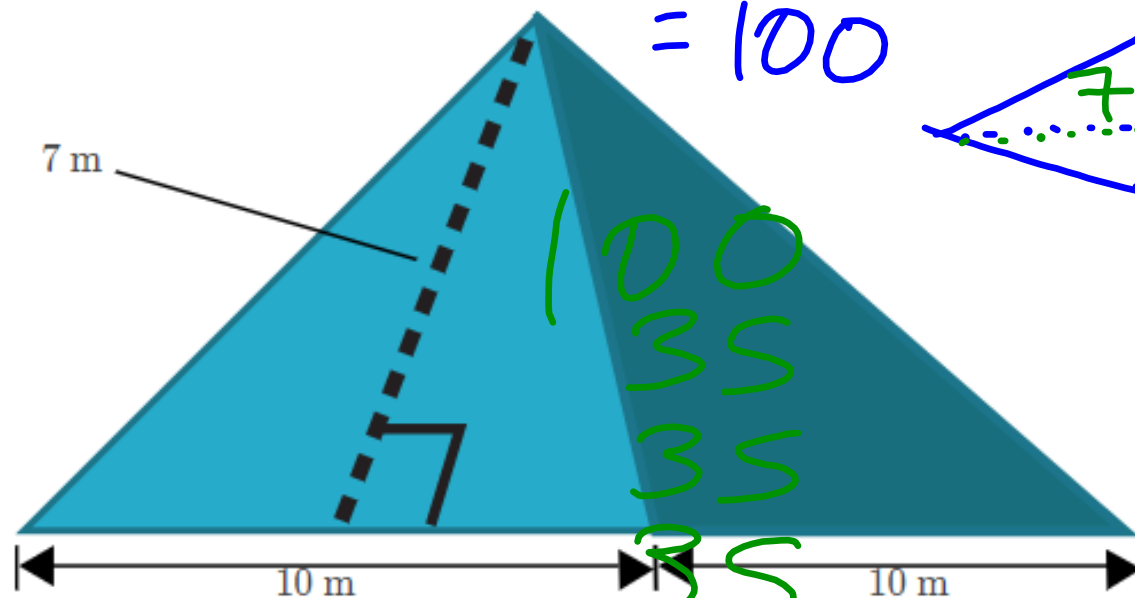
Find the surface area of the model.

m²

$$a_{\square} = l \times w$$

$$= 10 \times 10$$

$$= 100$$



$$a_{\triangle} = \frac{1}{2}bh$$

$$\frac{1}{2} 10 \cdot 7$$

$$\frac{1}{2} 70$$

$$4(35)$$

$$\begin{array}{r} 100 \\ 35 \\ 35 \\ 35 \\ 35 \\ \hline 240 \end{array}$$

Skills You Should Be Working on:

1. Radius and Diameter
2. Area of a Circle
3. Circumference of a Circle
4. Shaded Areas
5. Nets of Polyhedra
6. Surface Area Using Nets
7. Surface Area