What's Going On?

Checking In

Minds on Drawing Nets

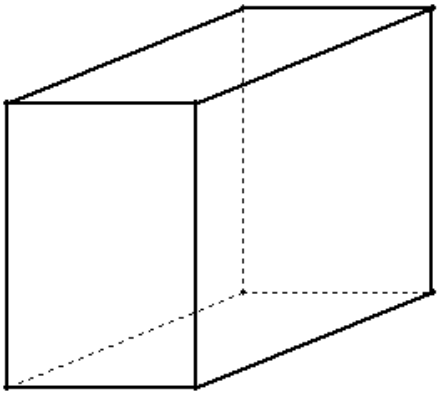
Action! Surface Area of Prisms and Pyramids

Consolidation Rectangular-Based Pyramids

Learning Goal - I will understand how to determine the surface area of prisms and pyramids.

Minds on

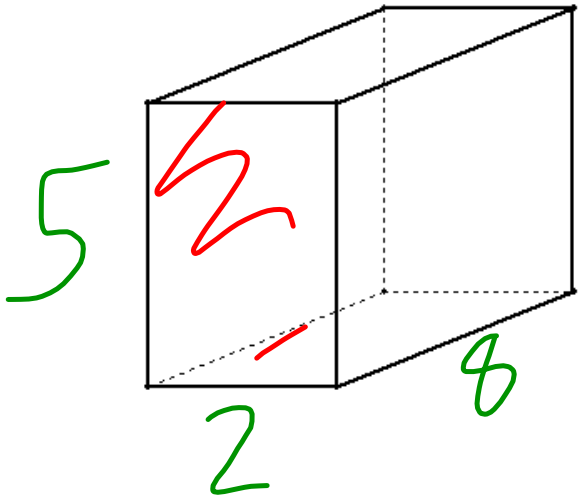
How Many Faces?

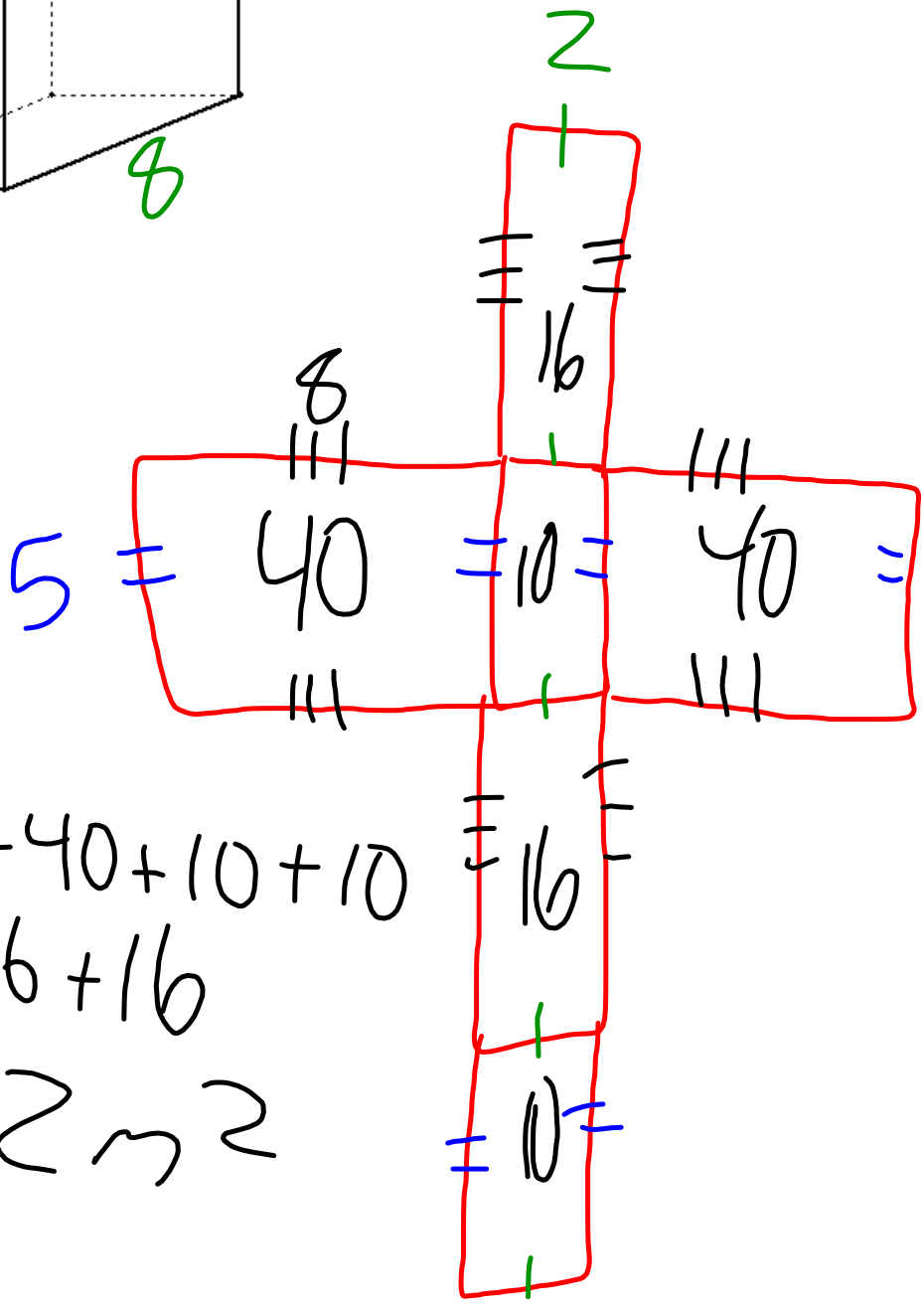


6

Minds on

Draw Me Unfolded



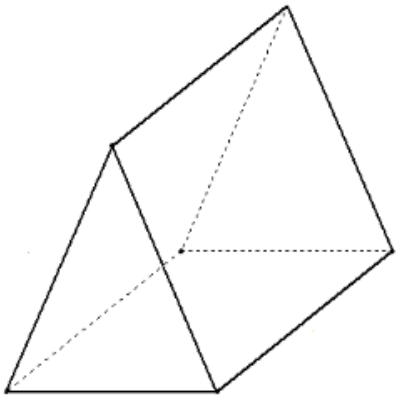


$SA = 40 + 40 + 10 + 10 + 16 + 16$

$= 132 m^2$

Minds on

How Many Faces?



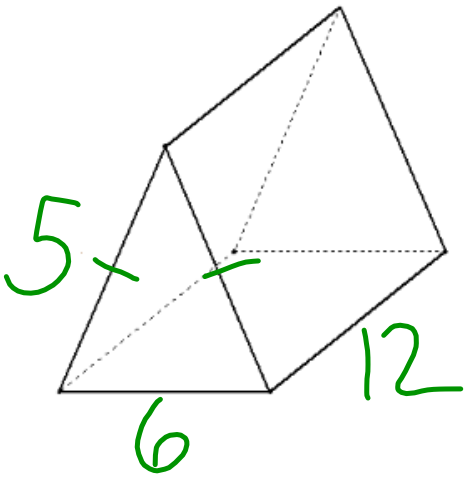
5!

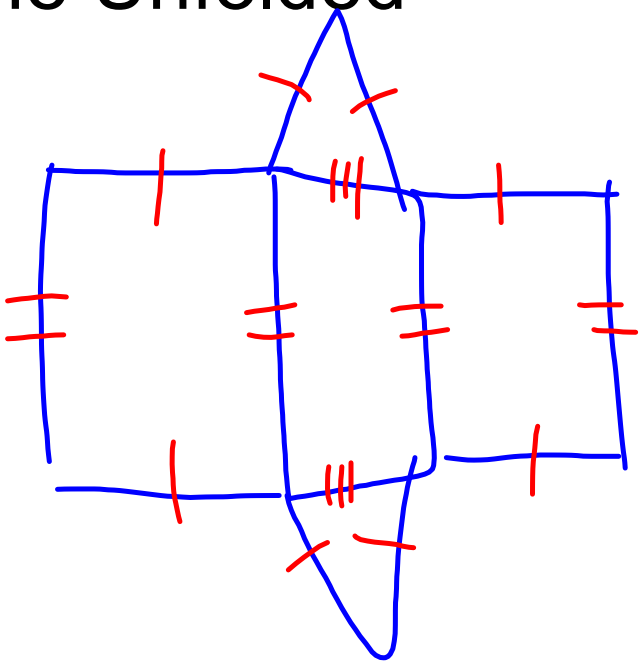
3 rectangles

2 triangles

Minds on

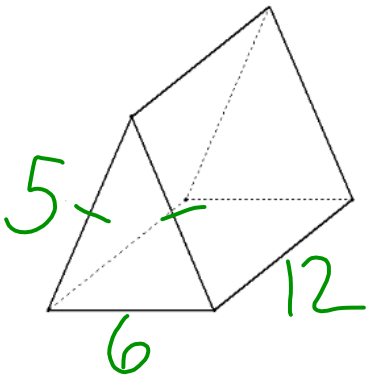
Draw Me Unfolded

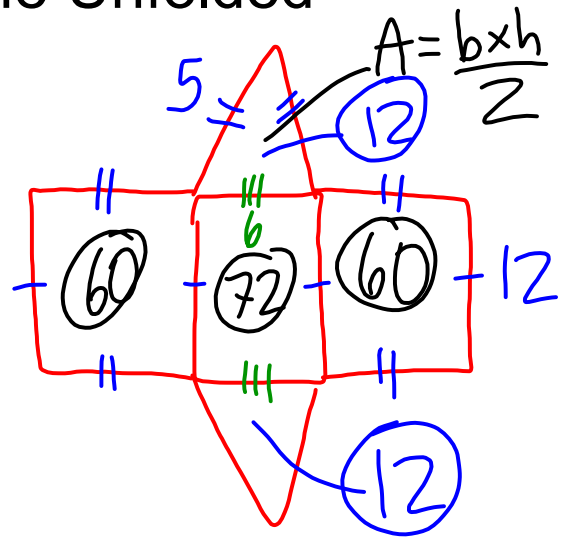


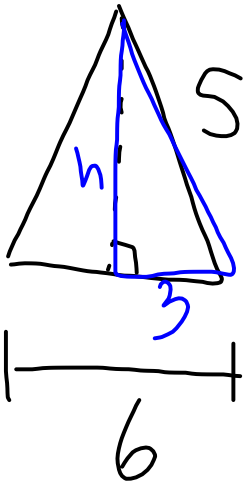


Minds on

Draw Me Unfolded







$h^2 = 5^2 - 3^2$

$h^2 = 25 - 9$

$\sqrt{h^2} = \sqrt{16}$

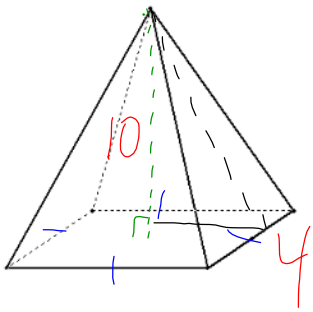
$h = 4$

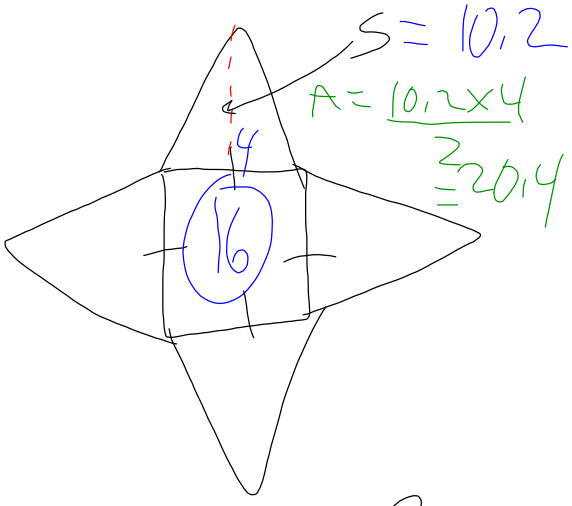
$SA = 60 + 72 + 60 + 12 + 12$

$= 216 cm^2$

Minds on

How Many Faces? Draw Me Unfolded

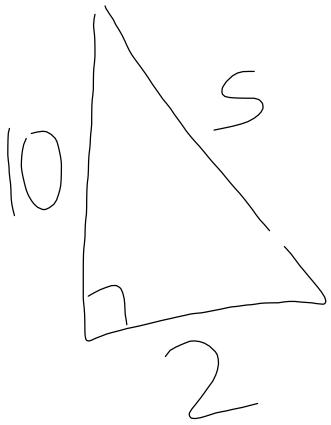




$S = 10.2$

$A = \frac{10.2 \times 4}{2}$

$= 20.4$



$S^2 = 2^2 + 10^2$

$S^2 = 4 + 100$

$S^2 = \sqrt{104}$

$S = 10.2$

$SA = 16 + 4(20.4)$

$SA = 16 + 61.6$

$= 97.6\ m^2$