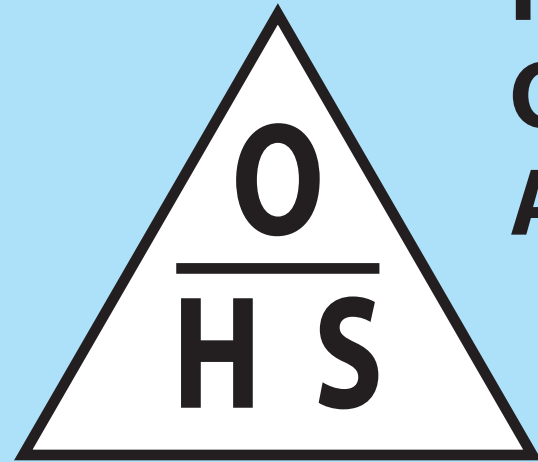
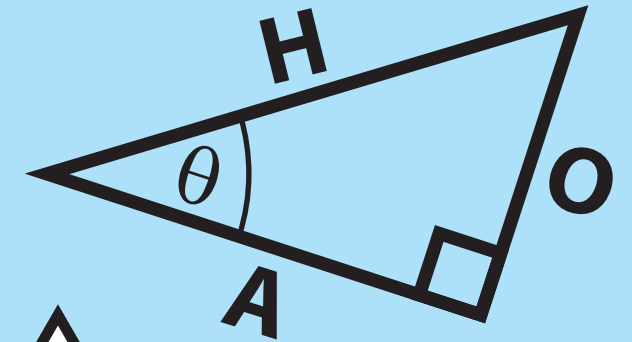


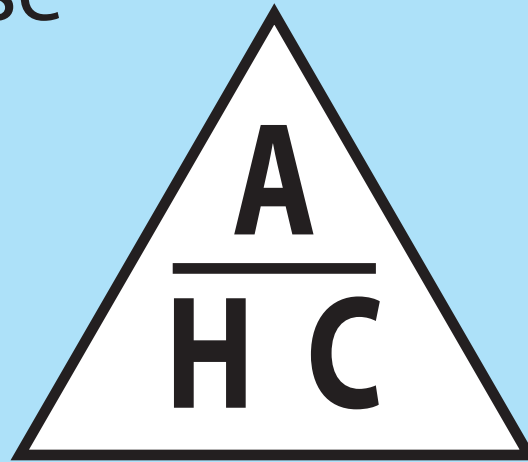
# Oh How Sweet, A Hot Cup, Of Australian Tea!



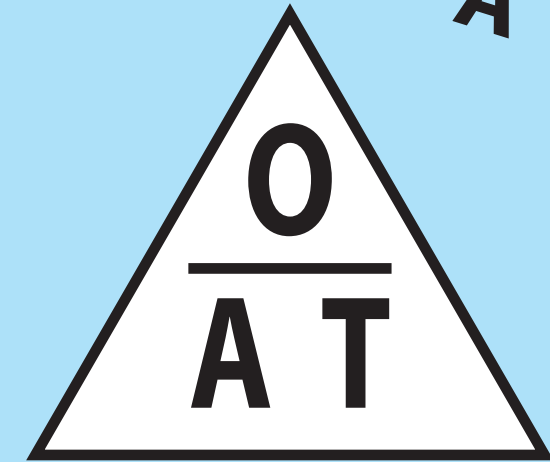
(**O = HS**   **A = HC**   **O = AT**)



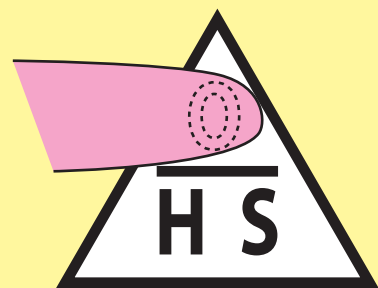
**H** = Hypotenuse  
**O** = Opposite  
**A** = Adjacent



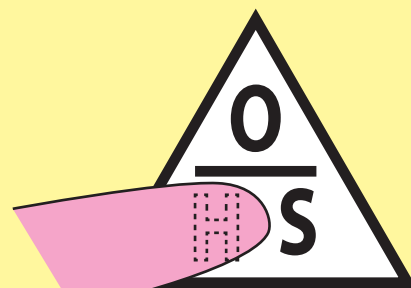
**S** =  $\sin\theta$   
**C** =  $\cos\theta$   
**T** =  $\tan\theta$



Cover the unknown quantity to find an expression for it.



$$O = H \times S$$

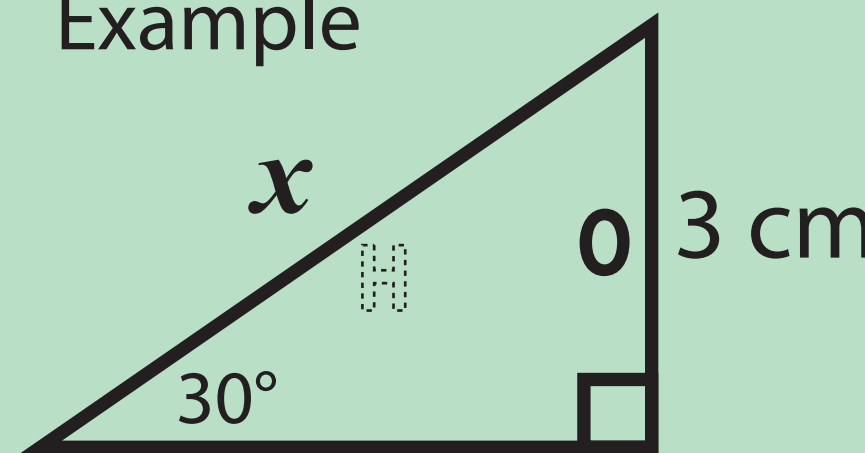


$$H = \frac{O}{S}$$

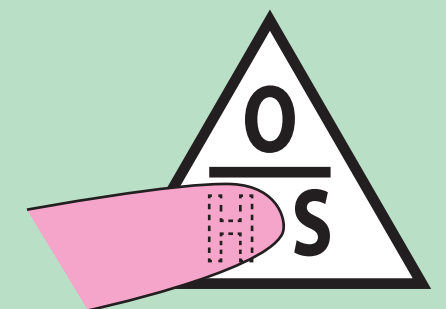


$$S = \frac{O}{H}$$

Example



Choose the formula triangle that contains the 2 sides involved and cover the unknown.



$$H = \frac{O}{S}$$

$$x = \frac{3}{\sin 30^\circ}$$

$$x = 6 \text{ cm}$$