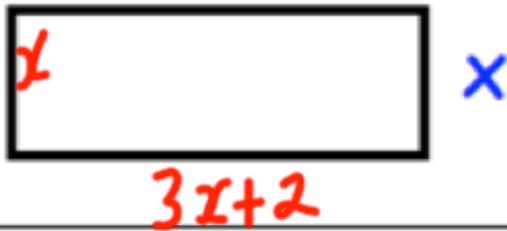


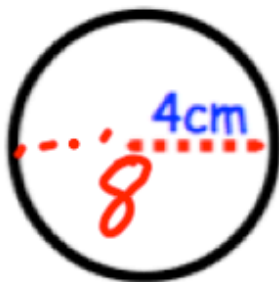
June 10th	5-a-day	Numeracy
<p><math>3 \times (2 + 4)</math></p> <p><math>3 \times 6 = 18</math></p>		<p><math>2 \boxed{\times} 5 \boxed{-} 10 = 0</math></p> <p>Put the correct operations into the boxes to make the sum correct</p>
<p><math>3 - 9</math></p> <p><math>-6</math></p>		
<p>Write down a number larger than 4.5 and smaller than 4.6</p> <p><math>4.55</math></p>		<p><math>4.51</math>    <math>4.58</math></p> <p><math>4.523</math> etc.</p>
<p>Caroline says if you subtract two consecutive square numbers, the answer is always odd.</p> <p>Is she correct?</p> <p><i>yes.</i></p>		<p><math>4 - 1 = 3</math></p> <p><math>9 - 4 = 5</math></p> <p><math>16 - 9 = 7</math></p> <p><math>25 - 16 = 9</math>    and so on</p>
<p>Sophie says if you square a number, the answer is always bigger.</p> <p>Explain why she is wrong.</p>		<p><math>1^2 = 1</math></p> <p><math>0.5^2 = 0.25</math></p> <p><math>0.1^2 = 0.01</math></p> <p><math>0^2 = 0</math></p>

$$3x + 2$$



Write an expression for the perimeter of the rectangle

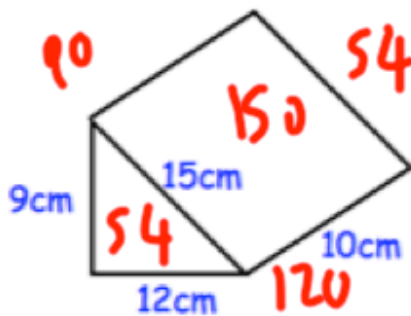
$$8x + 4$$



Work out the circumference. Leave your answer in terms of pi.

$$\pi \times 8$$

$$8\pi \text{ cm}$$



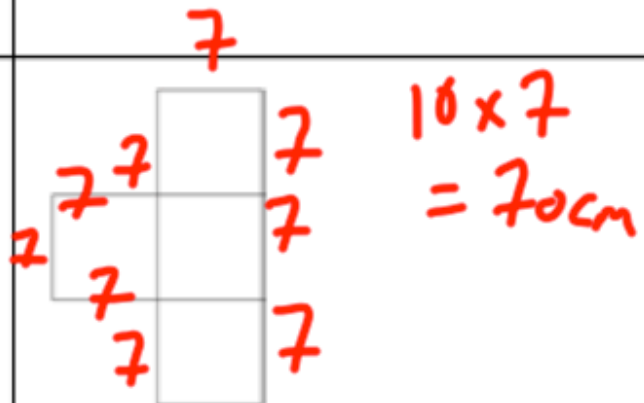
Calculate the surface area

$$468 \text{ cm}^2$$

The perimeter of a square is  $28\text{cm}$ .



Work out the perimeter of the shape on the right

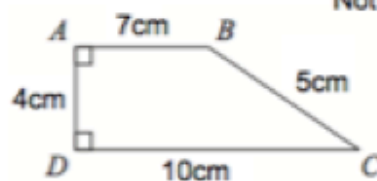


Calculate the area

$$\frac{1}{2}(a+b) \times h$$

$$\frac{1}{2}(7+10) \times 4$$

$$8.5 \times 4 = 34 \text{ cm}^2$$



Not drawn accurately

$$\frac{x+3}{4} = 8$$

$$x+3 = 32$$

$$x = 29$$

Express as a single fraction

$$\frac{a}{x} + \frac{w}{y}$$

$$\frac{ay}{xy} + \frac{wx}{xy}$$

$$\frac{ay+wx}{xy}$$

Explain why regular pentagons will not tessellate.

each angle is  $108^\circ$

$108$  is not a factor of  $360$ .

What is the size of each exterior angle of a regular 12-sided polygon?

$$360 \div 12 = 30^\circ$$

A particle travels at  $8.1 \times 10^3$  m/s to the nearest 10 m/s.  $8100$

The particle travels for 20 seconds, to the nearest second.  $19.5$

Work out the smallest possible distance travelled.

$$d = s \times t$$

$$8095 \times 19.5$$

$$157852.5 \text{ m}$$