

Write 16:35 using the 12-hour clock.

4:35 pm

Write 11:50pm using the 24-hour clock.

23:50

5 2 4 8 2 1 5 3 2

a) Find the mode

2

b) Find the median

1 2 2 2 3 4 5 5 8 3

c) Work out the range

$$8 - 1 = 7$$

Simplify  $a \times b \times 3$ 

3ab

Solve  $x - 5 = 3$ 

$$x = 8$$

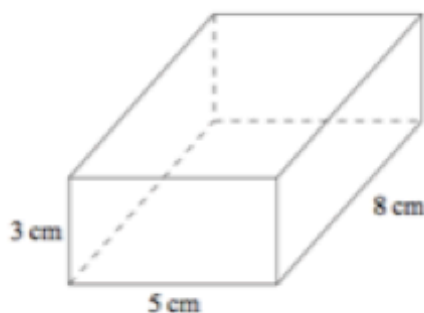
$$W = 3y - 2n$$

Work out  $y$  if  $W = 19$  and  $n = 7$ 

$$19 = 3y - 14$$

$$33 = 3y$$

$$y = 11$$



a) how faces does this cuboid have?

6

b) Work out the volume

$$3 \times 5 \times 8 = 120 \text{ cm}^3$$

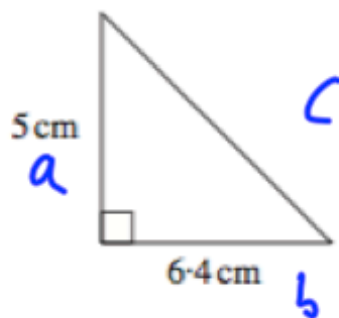
Work out

 $\frac{3}{5}$  of 32

$$32 \div 5 = 6.4$$

$$3 \times 6.4 = 19.2$$

Give your answer as a decimal



Calculate the area

$$3.2 \times 5$$

$$= 16 \text{ cm}^2$$

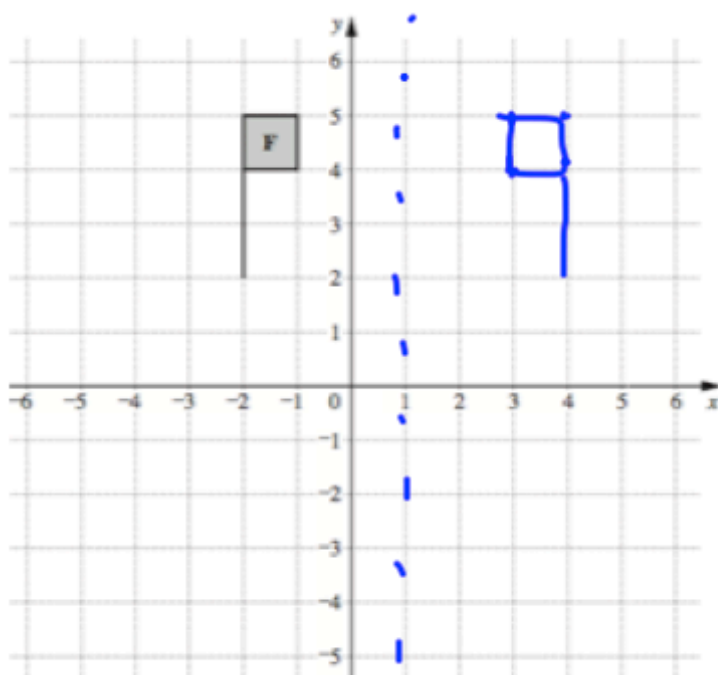
Calculate the length of the third side of the triangle.

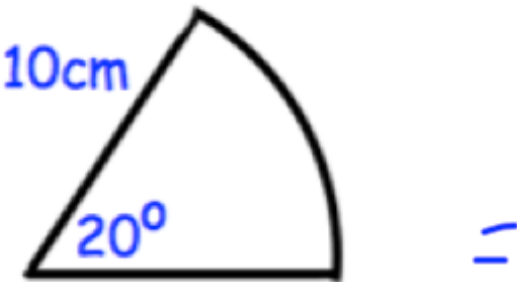
$$a^2 + b^2 = c^2$$

$$25 + 40.96 = c^2$$

$$c^2 = 65.96$$

$$c = 8.12 \text{ cm}$$

Reflect in the line  $x = 1$

April 5	5-a-day	Higher															
Expand and simplify $(w - 4)(2w - 7)$  $2w^2 - 7w - 8w + 28$		$2w^2 - 15w + 28$															
Explain why regular pentagons do not tessellate.	$360^\circ$ not divisible by 108	$\text{each angle is } 108^\circ$															
Over the past year, on an island, the population of seals have decreased by 15% to a number of 5525.  What the population of seals last year?		$85\% = 5525$ $1\% = 65$ $100\% = 6500$															
		Calculate the area of the sector $\frac{20}{360} \times \pi \times 10^2$ $17.45 \text{ cm}^2$															
<table border="1" style="width: 100%;"> <thead> <tr> <th>Age</th> <th>Frequency</th> <th></th> </tr> </thead> <tbody> <tr> <td>0 - 10</td> <td>3</td> <td>0.3</td> </tr> <tr> <td>10 - 20</td> <td>30</td> <td>3</td> </tr> <tr> <td>20 - 40</td> <td>30</td> <td>1.5</td> </tr> <tr> <td>40 - 50</td> <td>9</td> <td>0.9</td> </tr> </tbody> </table>	Age	Frequency		0 - 10	3	0.3	10 - 20	30	3	20 - 40	30	1.5	40 - 50	9	0.9		Nigel wants to draw a histogram.  Calculate the frequency densities.
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0 - 10	3	0.3															
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