

March 21st	5-a-day	Numeracy
<p>Write in words, the number that is 8 less than 1002.</p>	<p>994</p>	
<p> <u>21</u> <u>72</u> <u>27</u> 32 <u>93</u> Find the sum of the odd numbers </p> $ \begin{array}{r} 21 \\ 27 \\ 93 \\ \hline 141 \end{array} $ <p style="text-align: right;">141</p>	<p>Find the product of the even numbers</p> $ \begin{array}{r} 72 \\ \times 32 \\ \hline 144 \\ 2160 \\ \hline 2304 \end{array} $ <p style="text-align: right;"><u>2304</u></p>	
<p>Find the difference between $\frac{1}{3}$ of 24 and $\frac{1}{4}$ of 20</p> $ \begin{array}{l} \frac{1}{3} \text{ of } 24 = 8 \\ \frac{1}{4} \text{ of } 20 = 5 \end{array} $	$8 - 5 = 3$	
<p>A strip of half a metre long is cut into 8cm lengths.</p> <p>How many cm remain?</p>	$ \begin{array}{r} 06 \text{ r } 2 \\ 8 \overline{) 50} \\ \hline 2 \text{ cm} \end{array} $	
<p>$3^3 - 2^3$</p> $27 - 8 = 19$		

March 21st

5-a-day

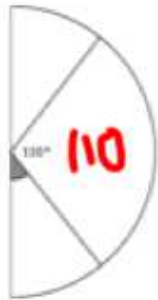
Foundation

This is the an approximate to convert Fahrenheit to Celius

$$C = \frac{F - 30}{2}$$

Convert 40°F into °C

$$C = \frac{40 - 30}{2} \\ = \frac{10}{2} = 5^{\circ}C$$



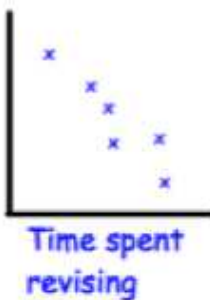
$$180 - 110 \\ = 70 \\ 70 \div 2 = 35^{\circ}$$

This shape is made from one large piece and two identical smaller pieces.

Find the shaded angle.

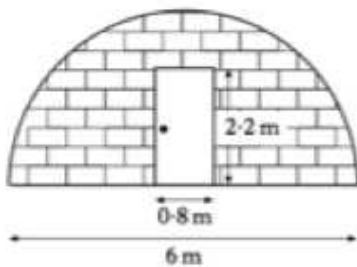
$$35^{\circ}$$

Mistakes



Negative correlation:
As time spent revising goes up,
mistakes made go down.

Describe the relationship shown



$$\text{Door} - 0.8 \times 2.2 = 1.76 \text{ m}^2$$

Calculate the area of bricks

Whole fact.



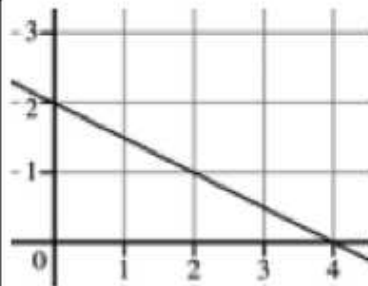
$$\pi r^2 \\ \pi \times 3^2 = 28.27 \dots \\ 28.27 \dots \div 2 \\ = 14.1372$$

$$14.1372 \\ - 1.76 \\ \hline 12.3772 \text{ m}^2$$

March 21st

5-a-day

Higher



Write down the equation of this line

$$y = -\frac{1}{2}x + 2$$

Write down the equation of a line parallel to the line above

$$y = -\frac{1}{2}x + 3$$

The probability that Mary passes her English exam is 0.7 and the probability that she passes her French exam is 0.8

Calculate the probability she fails both exams

$$P(\text{FF}) = 0.3 \times 0.2 \\ = 0.06$$

Line L1 has equation

$$y = \frac{1}{2}x + 1$$

What is the gradient of this line?

$$m = \frac{1}{2}$$

Write down the gradient of a line perpendicular to L1

$$-2$$

Expand and simplify

$$(2 + \sqrt{5})^2$$

$$(2 + \sqrt{5})(2 + \sqrt{5}) \\ 4 + 2\sqrt{5} + 2\sqrt{5} + 5 \\ 9 + 4\sqrt{5}$$