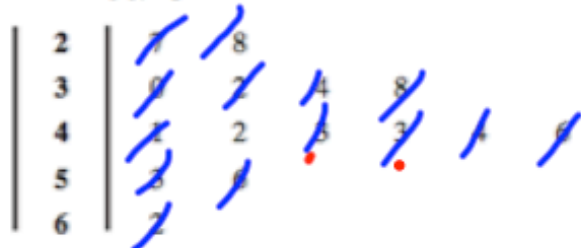


April 24th	5-a-day	Numeracy
<p>Write down the value of the digit 3 in the number 3941</p> <p>3000</p>		
<p>A sandwich costs £1.59</p> <p>How much change will Peter get from £5, if he buys two sandwiches?</p>		<p>£1.82</p>
<p>Work out 25% of 80</p> <p>20</p>	<p>Work out 15% of 80</p> <p>12</p>	
<p>Work out 132 divided by 6</p> <p>22</p>		
<p>Solve $2x = 18$</p> <p>$x = 9$</p>	<p>Solve $x + 4 = 13$</p> <p>$x = 9$</p>	

April 24th	5-a-day	Foundation
<p>2 7 means 27</p> 	<p>What is the mode? 43</p> <p>What is the median? 42</p>	
<p>Expand and simplify</p> <p>$(x + 5)(x - 3)$</p> $x^2 - 3x + 5x - 15$ $x^2 + 2x - 15$		
<p>Convert 2 litres into cm^3</p> 2000cm^3	<p>Convert $50,000\text{cm}^3$ into litres</p> 50L	
<p>Bread rolls are sold in packs of 20. Sausages are sold in packs of 16.</p> <p>She needs exactly the same number of rolls and sausages.</p> <p>What is the smallest number of each pack she must buy</p>	<p>80 of each</p> <p>4 packs of rolls</p> <p>5 packs of sausages</p>	
<p>Solve</p> $\frac{23 - 2x}{5} = 3$ $23 - 2x = 15$ $-2x = -8$	$2x = 8$ $x = 4$	

April 24

5-a-day

Higher

Solve $x^2 - x - 10 = 0$

$a = 1$

$b = -1$

$c = -10$

$$\frac{1 \pm \sqrt{1 - (4)(1)(-10)}}{2}$$

$$\frac{1 \pm \sqrt{41}}{2} = 7$$

$x = 3.7$

or $x = -2.7$

A savings account earns 10% a year.

£2000 is invested.

How much interest is earned over 3 years?

£662 ←

$$2000 \times 1.1^3 = £2662$$

A man's salary has increased by 5% and is now £441 a week.

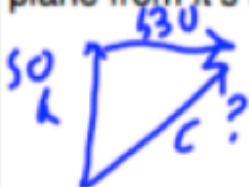
What was his salary before the increase?

£420

$105\% = 441$

$1.10 = 4.2$

A plane flies 50 miles north and then 30 miles east. How far is the plane from its starting point?

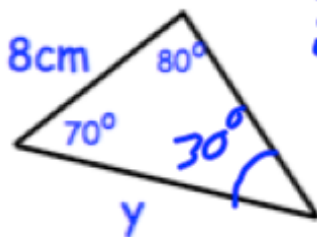


$$a^2 + b^2 = c^2$$

$$30^2 + 50^2 = y^2$$

$3400 = y^2$

58.3 miles



$$\frac{y}{\sin 80} = \frac{8}{\sin 30}$$

$$y = \frac{8 \sin 80}{\sin 30} = 15.76 \text{ cm}$$