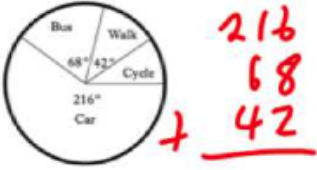


March 18th	5-a-day	Numeracy
BBC 1 23% BBC 2 13% ITV 40% Channel 4 10% Channel 5 5% <div style="text-align: right; margin-right: 20px;"> $\begin{array}{r} 23 \\ 13 \\ 40 \\ 10 \\ 5 \\ \hline 81 \end{array}$ </div>	A group of people watch 5 TV channels. What percentage watched Channel 4? $100 - 81 = 19\%$	
Write 27% as a decimal 0.27	Write 32% as a fraction $\frac{32}{100} = \frac{16}{50} = \frac{8}{25}$	
Shay says "When you square an odd number, you get an even number." Is Shay right? No	$1^2 = 1 \text{ odd}$	
8 12 8 7 8 11 Find the mode 8	Find the median $7 \quad 8 \quad 8 \quad 8 \quad 11 \quad 12$ Find the range $12 - 7 = 5$	
List the first 5 cube numbers $1^3 = 1$ $2^3 = 8$	$3^3 = 27$ $4^3 = 64$ $5^3 = 125$	

March 18th	5-a-day	Foundation
<p>The radius of a circle is 6cm</p> <p>Calculate its area</p> $\pi \times 6^2$	$\pi \times 36$ $= 113.1 \text{ cm}^2$	
<p>A drink contains 50ml of Fruit Juice and 200ml of Water.</p> <p>What fraction of the drink is Fruit Juice?</p>	$\frac{50}{250} = \frac{5}{25} = \frac{1}{5}$	
 <p>Handwritten calculations:</p> $216 + 68 + 42 = 326$ $360 - 326 = 34$	<p>Calculate the degrees for Cycle</p> $360 - 326 = 34^\circ$	
<p>There are 720 students in the school.</p> <p>How many cycle?</p> $34 \div 2 = 17$	<p>How many walk?</p> $42 \div 2 = 21$	
<p>Jan's income was £17500</p> <p>Now it is £18200</p> <p>What is the percentage increase?</p>	<p>Handwritten formula:</p> $\frac{\text{change}}{\text{original}} \times 100$ $\frac{700}{17500} \times 100 = 4\%$	

March 18th	5-a-day	Higher									
Write down a fraction which is a recurring decimal	$\frac{1}{3}$ $\frac{1}{7}$ $\frac{2}{9}$ etc.	Write down a fraction which is a terminating decimal $\frac{1}{4}$ $\frac{2}{5}$ $\frac{1}{8}$ etc.									
<table border="1"> <thead> <tr> <th>Height h (metres)</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>$0 < h \leq 2$</td> <td>12</td> </tr> <tr> <td>$2 < h \leq 4$</td> <td>8</td> </tr> <tr> <td>$4 < h \leq 6$</td> <td>12</td> </tr> <tr> <td>$6 < h \leq 8$</td> <td>10</td> </tr> </tbody> </table>	Height h (metres)	Frequency	$0 < h \leq 2$	12	$2 < h \leq 4$	8	$4 < h \leq 6$	12	$6 < h \leq 8$	10	Write down the probability a tree selected at random is over 2 metres tall. $\frac{30}{42} = \frac{15}{21} = \frac{5}{7}$
Height h (metres)	Frequency										
$0 < h \leq 2$	12										
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$4 < h \leq 6$	12										
$6 < h \leq 8$	10										
Solve $x^2 + x - 6 = 0$ $(x+3)(x-2) = 0$	$x = -3$ or $x = 2$										
Solve $3x - 2y = 14$ $x + 2y = 10$ $4x = 24$	$x = 6$ $6 + 2y = 10$ $2y = 4$ $y = 2$										
A is inversely proportional to B When $A = 80$, $B = 4$ $A \propto \frac{1}{B}$ $A = \frac{k}{B}$ $80 = \frac{k}{4}$ $k = 320$	Write an equation linking A and B $A = \frac{320}{B}$										