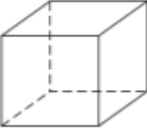

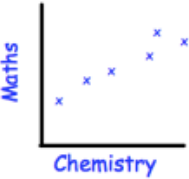


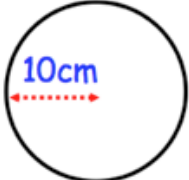
Name: \_\_\_\_\_

October 8th	5-a-day	Numeracy
Take 54 away from 141  $87$	Add 149 and 184  $333$	
 Name: <u>      Cube      </u>	How many edges does this shape have?  $12$	
	In 5 games, a footballer scores: 1 2 1 3 0 What is the median? What is the range? $0 \ 1 \ 1 \ 2 \ 3$ $1$ $3$	
Write 17% as a decimal  $0.17$	Write 0.1 as a fraction  $\frac{1}{10}$	
Work out $\frac{5}{8}$ as a percentage.  $62.5\%$		

Name: \_\_\_\_\_

October 8	5-a-day	Foundation																
Find the nth term 11 15 19 23 ....  $4n+7$	Find the 100th term  $407$																	
	What correlation is shown on the scatter graph.  $Positive\ correlation$																	
Complete this table for $y = x^2 + 4$																		
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 10%;">x</td> <td style="width: 10%;">-3</td> <td style="width: 10%;">-2</td> <td style="width: 10%;">-1</td> <td style="width: 10%;">0</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">3</td> </tr> <tr> <td>y</td> <td>13</td> <td>8</td> <td>5</td> <td>4</td> <td>5</td> <td>8</td> <td>13</td> </tr> </table>			x	-3	-2	-1	0	1	2	3	y	13	8	5	4	5	8	13
x	-3	-2	-1	0	1	2	3											
y	13	8	5	4	5	8	13											
<table style="width: 100%;"> <tr> <td style="width: 20%;">Score</td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">3</td> <td style="width: 10%;">4</td> </tr> <tr> <td>Frequency</td> <td>20</td> <td>12</td> <td>21</td> <td>12</td> </tr> </table> What is the relative frequency of a 1?	Score	1	2	3	4	Frequency	20	12	21	12	$\frac{20}{65} = \frac{4}{13}$							
Score	1	2	3	4														
Frequency	20	12	21	12														
Martin plays the game 260 times.  How many 2's is he expected to get?	$\frac{12}{65} \times 260 = 48$																	

Name: \_\_\_\_\_

October 8	5-a-day	Higher						
$5^5 \times 5^? = 5^{10}$	$5^5$							
	<p>Calculate the circumference. Give your answer in terms of <math>\pi</math></p> $\pi \times 20$ $= 62.83 \text{ cm}$							
<p>Solve using the quadratic formula</p> $x^2 + 2x - 10 = 0$ $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ <p><math>a=1</math> <math>b=2</math> <math>c=-10</math></p>	$x = -1 + \sqrt{11} \text{ or } 2.32$ $x = -1 - \sqrt{11} \text{ or } -4.32$							
<table border="1" data-bbox="227 1165 609 1234"> <thead> <tr> <th>Year 4</th> <th>Year 5</th> <th>Year 6</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>120</td> <td>135</td> </tr> </tbody> </table> <p><math>\div 2.5</math> A stratified sample is taken. 40 year 4 students are selected.</p>	Year 4	Year 5	Year 6	100	120	135	<p>Work out the number of year 6 students in the sample.</p> $135 \div 2.5 = \underline{54}$	
Year 4	Year 5	Year 6						
100	120	135						
<p>Simplify</p> $\sqrt{11} + \sqrt{99}$ $\sqrt{11} + \sqrt{9 \times 11}$ $\sqrt{11} + 3\sqrt{11}$	$4\sqrt{11}$							