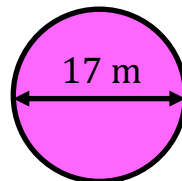
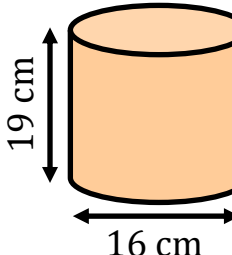
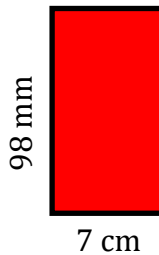
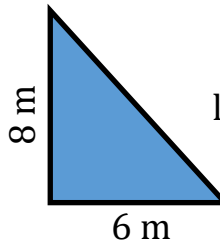
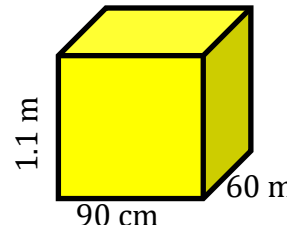
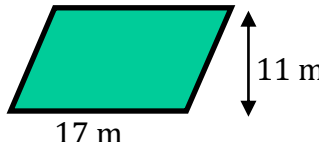


December 2020

Mon	Tue	Wed	Thu	Fri	Sat	Sun								
	1 What is 0.08 as a fraction in its simplest form?	<table><tr><th>Animal</th><th>Frequency</th></tr><tr><td>Cat</td><td>32</td></tr><tr><td>Dog</td><td>37</td></tr><tr><td>Fish</td><td>21</td></tr></table> 2 Draw a pie chart.	Animal	Frequency	Cat	32	Dog	37	Fish	21	3 Expand $(3m+2)^2$	4 Write 400 as a product of its prime factors.	5 Write 0.0000897 in standard form.	 6 Find the area.
Animal	Frequency													
Cat	32													
Dog	37													
Fish	21													
7 Simplify $6kg:800g$	8 Work out $18+27\div3^2$	9 What is the y intercept of $2y=18-6x$?	10 What is the surface area of a cube with volume of $64cm^3$?	11 What is the 6th cube number?	12 What is the 10th term of 5, 12, 19, 26, 33,?	13 Find seven tenths of 120?								
<table><tr><th>Goals</th><th>Frequency</th></tr><tr><td>0</td><td>16</td></tr><tr><td>1</td><td>18</td></tr><tr><td>2</td><td>14</td></tr></table> 14 Work out the mean.	Goals	Frequency	0	16	1	18	2	14	15 What is the LCM of 42 and 70?	16 Divide £144 in the ratio 5:7?	 17 Find the volume.	18 What is the diameter of a circle with circumference of 56?	 19 Work out the perimeter.	20 Solve $8r-40=2r-4$
Goals	Frequency													
0	16													
1	18													
2	14													
21 Increase £9800 by 41%	 22 Find the length of the hypotenuse.	23 What is the median of 9, 3, 4, 2, 8, 7, 3, 5, 2	24 Simplify $9n^2-8n+4n^2-7n$	 25 Find the volume.	26 Write down the integers that satisfy $-7\leq x<6$	27 Why can't a regular pentagon tessellate?								
28 Work out 9.27×1.6	29 What is the size of the interior angle of a regular hexagon?	 30 Work out the area.	31 What are all the factors of 48?											
<div>FUNCTIONAL MATHS</div>														