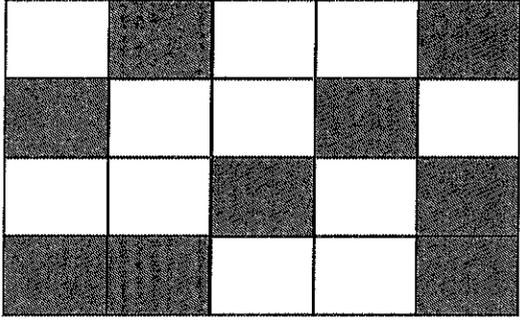
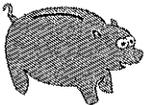
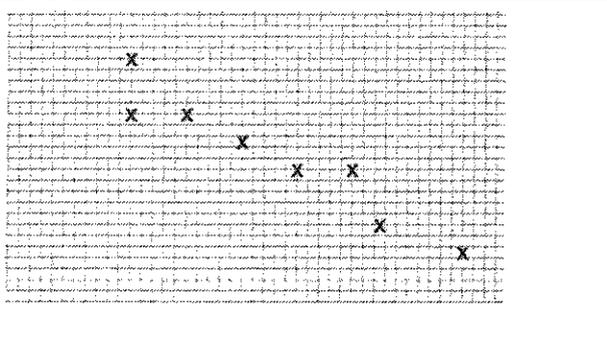
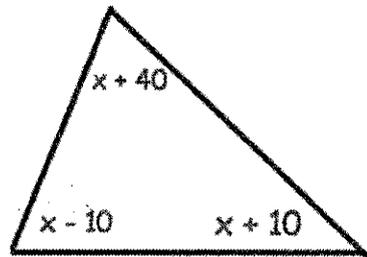


Name: _____

December 11th	5-a-day	Numeracy
	What fraction of this shape is unshaded? $\frac{11}{20}$	
Arrange in order from lowest to highest 0.2 0.18 0.202 0.3 0.27		0.18, 0.2, 0.202, 0.27, 0.3
Calculate 4 x 1.3	$\begin{array}{r} 1.3 \\ \times 4 \\ \hline 5.2 \end{array}$	Calculate 2.4 x 1.2 2.88
Simplify W x W x W	W^3	Simplify W + W + W $3W$
 James puts six 20p pieces into the piggy bank. His mum puts four of the same coin into the piggy bank.		The total value of the ten coins is £1.60. What coins did his mum put into the piggy bank? $£1.60 - £1.20 = £0.40$ four 10p's

Name: _____

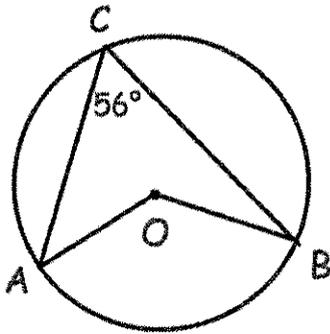
December 11	5-a-day	Foundation																				
	<p>What type of correlation is shown?</p> <p style="text-align: center;"><i>Negative</i></p>																					
<p>Length Frequency</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">$0 \leq L < 10$</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 10%; text-align: center;">20</td> <td style="width: 5%;"></td> <td style="width: 45%; text-align: right;">fx 100</td> </tr> <tr> <td>$10 \leq L < 20$</td> <td style="text-align: center;">15</td> <td style="text-align: center;">50</td> <td></td> <td style="text-align: right;">750</td> </tr> <tr> <td>$20 \leq L < 40$</td> <td style="text-align: center;">30</td> <td style="text-align: center;">30</td> <td></td> <td style="text-align: right;">900</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right; border-top: 1px solid black;">1750</td> </tr> </table>	$0 \leq L < 10$	5	20		fx 100	$10 \leq L < 20$	15	50		750	$20 \leq L < 40$	30	30		900					1750	<p>Calculate the estimated mean</p> $1750 \div 100$ $= 17.5$	
$0 \leq L < 10$	5	20		fx 100																		
$10 \leq L < 20$	15	50		750																		
$20 \leq L < 40$	30	30		900																		
				1750																		
	<p>Write down an equation from the information given</p> $3x + 40 = 180$																					
<p>Solve the equation to find x</p> $3x = 140$ $x = 46.67^\circ$	<p>Write down the size of each angle</p> 36.6 56.6 86.6																					
<p>200 people play a game that costs £3.</p> <p style="text-align: center;"><i>£600</i></p> <p>The probability of winning is 0.1</p> <p>The prize is £15.</p>	<p>Calculate how much profit the game makes.</p> $200 \times 0.1 = 20 \text{ winners}$ $20 \times 15 = \text{£}300$ $\text{£}600 - \text{£}300 = \text{£}300$ <p style="text-align: right;"><i>profit</i></p>																					

Name: _____

December 11

5-a-day

Higher



O is the centre of the circle.

Find the size of angle AOB.

$$112^\circ$$

Anna, Beth and Carla share money in the ratio 2:3:5.

Carla receives £75.

How much does Beth receive?

$$£75 \div 5 = £15$$

$$£15 \times 3 = \underline{\underline{£45}}$$

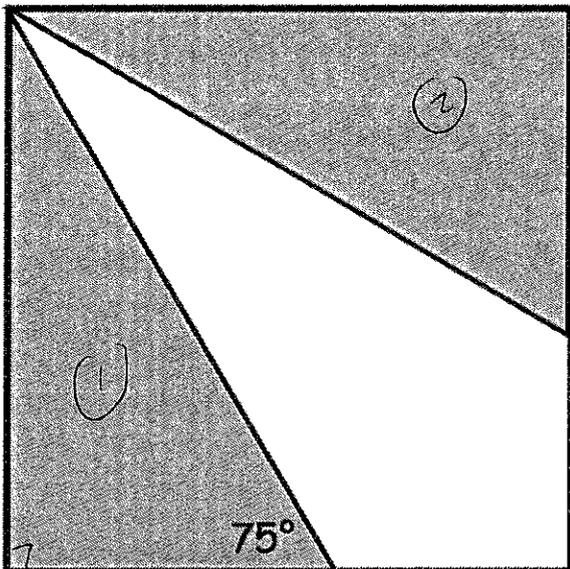
Find the coordinates of the point where the linear graphs $y = 4x + 1$ and $y = 6 - 3x$ intersect.

$$\begin{aligned} 6 - 3x &= 4x + 1 \\ 5 &= 7x \\ x &= \frac{5}{7} \end{aligned}$$

$$y = 4 \times \frac{5}{7} + 1$$

$$y = \frac{20}{7} + 1 = \frac{27}{7}$$

$$\left(\frac{5}{7}, \frac{27}{7} \right)$$



5cm

The diagram shows a square.

and two identical triangles.
Calculate the area of the white region.

$$x = 18.66 \text{ cm}$$

$$\text{Triangle 1 } \frac{1}{2} \times 5 \times 18.66 = 46.65 \text{ cm}^2$$

$$\text{①} + \text{②} = 93.3 \text{ cm}^2$$

$$18.66^2 - 93.3 = 254.896 \text{ cm}^2$$