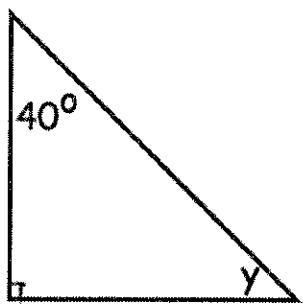


Name: _____

December 5th	5-a-day	Numeracy
<p>17 x 10</p> <p style="text-align: center;">170</p>	<p>2900 ÷ 10</p> <p style="text-align: center;">290</p>	
<p>Work out</p> <p style="text-align: center;">9 + 3 × 2</p>	<p>9 + 6 = 15</p>	
<p>Write down the first five multiples of 7.</p> <p style="text-align: center;">7 14 21 28 35</p>	<p>Write down all the factors of 24.</p> <p style="text-align: center;">1 2 3 4 6 8 12 24</p>	
<p>A standard box of cereal contains 480g of cereal.</p> <p>A smaller box contains $\frac{1}{3}$ less cereal.</p>	<p>How much cereal does the smaller box contain?</p> <p style="text-align: center;">$480 \div 3 = 160$</p> <p style="text-align: center;">$480 - 160 = 320\text{g}$</p>	
	<p>Find y</p> <p style="text-align: center;">50°</p>	

Name: _____

December 5

5-a-day

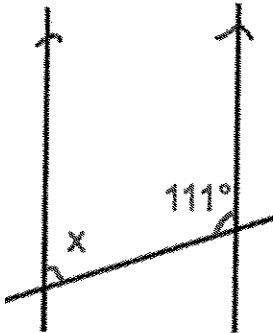
Foundation

George is going on holiday to Poland.

George changes £120 into Zloty.
The exchange rate is £1 = 5 Zloty

Work out how many Zloty George gets for £120.

$$\begin{array}{r} 120 \\ \times 5 \\ \hline 600 \text{ Zloty} \end{array}$$



Work out the size of the angle.

$$69^\circ$$

Give a reason for your answer.

Co-interior angles

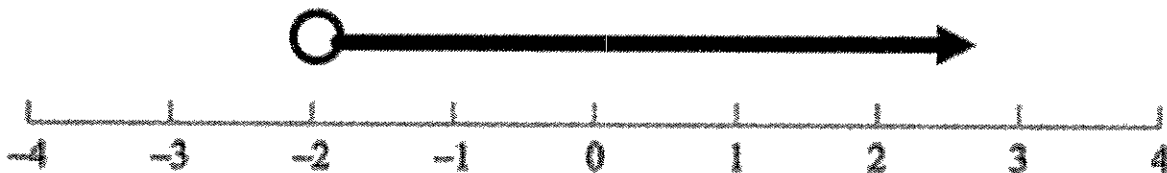
Find the midpoint of

$$\frac{5}{6} \quad \frac{1}{3}$$

$$\frac{5}{6} + \frac{1}{3} \quad \frac{5}{6} + \frac{2}{6} = \frac{7}{6}$$
$$\frac{7}{6} \div 2 \quad \frac{7}{6} \times \frac{1}{2} = \frac{7}{12}$$

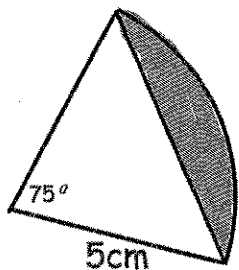
Write 28 as a product of primes.

$$2^2 \times 7$$



Write down the inequality shown above

$$x > -2$$

December 5	5-a-day	Higher
Solve $3(2x - 6) = 12$ $6x - 18 = 12$ $6x = 30$ $x = 5$		
Monday: 10 apples and 5 bananas cost £4.20 $10x + 5y = 420$ Friday: 8 apples and 10 bananas cost £5.40 $8x + 10y = 540$ Find the cost of each.	$20x + 5y = 420$ $5y = 170$ $y = 34$	
$\begin{array}{r} 20x + 10y = 840 \\ 8x + 10y = 540 \\ \hline 12x = 300 \\ x = 25 \end{array}$	An apple is 25p A banana is 34p	
 <p>Triangle: $\frac{1}{2} ab \sin C$ $= \frac{1}{2} \times 5 \times 5 \times \sin 75$ 12.074 cm^2</p> <p>Find the area of the segment</p>	Sector $\frac{75}{360} \times \pi \times 5^2 = 16.3624 \dots$ Segment $16.3624 \dots - 12.074$ $= 4.288 \text{ cm}^2$	
Make x the subject $y = \frac{x+3}{x-8}$	$y(x-8) = x+3$ $xy - 8y = x+3$ $xy - x = 8y+3$ $x(y-1) = 8y+3$	$x = \frac{8y+3}{y-1}$