

May 5th	5-a-day	Numeracy
<p>The time on Fiona's watch is 4:25pm.</p> <p>Write 4:25pm in 24-hour time</p> <p style="text-align: center;"><math>16:25</math></p>		<p>How many minutes are in 3 hours?</p> <p style="text-align: center;"><math>60 \times 3</math> <math>= 180</math></p>
<p>Ricky has 15 ten pence pieces and 15 five pence pieces.</p> <p>What is the total value of his coins?</p> <p style="text-align: center;"><math>15 \times 10p = \pounds 1.50</math></p>		<p style="text-align: center;"><math>15 \times 5p = 75p</math></p> <p style="text-align: center;"> <math display="block">\begin{array}{r} 150 \\ + 75 \\ \hline \end{array} \quad \pounds 2.25</math> </p>
<p>Connor has £1.75 <span style="color: red;"><math>\pounds 2.05</math></span></p> <p>Jeff has £2.35</p> <p>How much money does Jeff have to give Connor so that they have the same amount?</p>		<p style="text-align: center;"><math>30p</math></p>
<p>3 paintings cost £180</p> <p>How much do 4 paintings cost?</p> <p style="text-align: center;"><math>\pounds 60 \text{ each}</math></p>		<p style="text-align: center;"><math>60 \times 4</math> <math>\pounds 240</math></p>
<p>Ian is 1.83m tall</p> <p>Donna is 6cm shorter</p> <p>What is Donna's height in metres?</p>		<p style="text-align: center;"> <math display="block">\begin{array}{r} 1.83 \\ - 0.06 \\ \hline 1.77 \end{array} \quad 1.77m</math> </p>

Factorise  $x^2 + 5x$

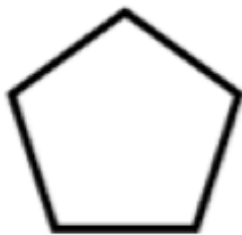
$$x(x+5)$$

Team Frequency

Wasps	5	$\times 6$	$30^\circ$
Ulster	20	$\times 6$	$120^\circ$
Scarlets	35	$\times 6$	$210^\circ$
	<u>60</u>		

Jenny wants to draw a pie chart.  
Calculate the size of each angle.

$$360 \div 60 = 6$$



Shown is a regular pentagon.

What is the size of each exterior angle?

$$540 \div 5 = 108^\circ$$

Calculate the estimated mean

$$185 \div 10 = 18.5$$

Length Frequency  $f \times l$

$0 \leq L < 10$	4	20
$10 \leq L < 20$	1	15
$20 \leq L < 40$	5	150
		<u>185</u>

k is even.

$3k + 1$

$\uparrow$   
even

Tick the correct box

odd

even

either

May 5

5-a-day

Higher

£900 is invested for 4 years at 3% interest.

How much money will be in the account at the end of the 4 years?

$$900 \times 1.03^4$$
$$= \pounds 1012.96$$

Factorise  $y^2 - 64$

$$(y - 8)(y + 8)$$

Simplify

$$(25w^8y^6)^{\frac{1}{2}}$$

$$5w^4y^3$$

Work out

$$\sqrt{27} + \sqrt{3}$$

$$\sqrt{9} \times \sqrt{3} + \sqrt{3}$$
$$3\sqrt{3} + \sqrt{3}$$
$$= 4\sqrt{3}$$

Make  $g$  the subject of  $5g + w = ag + c$

$$5g - ag = c - w$$
$$g(5 - a) = c - w$$

$$g = \frac{c - w}{5 - a}$$