

March 7th	5-a-day	Numeracy
Round 382 to the nearest hundred 400	Round 928 to the nearest ten. 930	
What is the value of the digit 3 in the number 9381	300	
A new chair is priced at £130. In a sale it is reduced by 20%. Calculate the sale price.	$10\% = \pounds 13$ $20\% = \pounds 26$ $\pounds 104$	
Calculate the cube of 6 $6 \times 6 = 36$ $\begin{array}{r} 36 \\ \times 36 \\ \hline 216 \end{array}$	Calculate 2^4 $2 \times 2 \times 2 \times 2$ $= 16$	
Work out $6.2 - 2.73$	$\begin{array}{r} 5 \\ 6.20 \\ - 2.73 \\ \hline 3.47 \end{array}$	

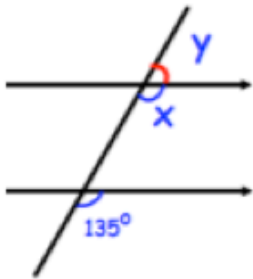
	Art	Music	Total
Male	13	6	19
Female	12	9	21
Total	25	15	40

Complete this two way table

Liam and Bill share money in the ratio 2:5.
 If Bill receives £35, how much does Liam receive?

$$35 \div 5 = 7$$

$$7 \times 2 = 14$$



Write down the size of angle x.

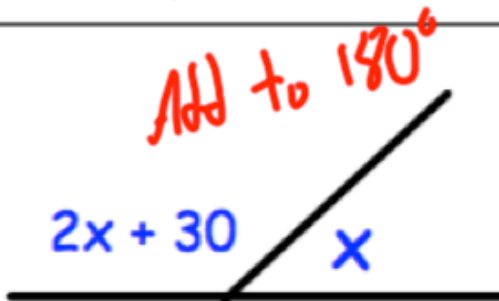
$$135$$

Give a reason for your answer

Corresponding

Write down the size of angle y

$$\begin{array}{r} 180 \\ - 135 \\ \hline 45 \end{array}$$



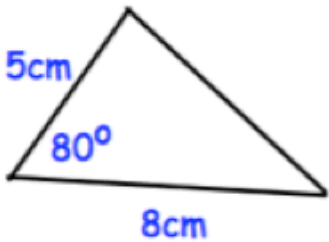
Calculate the size of both angles

$$2x + 30 + x = 180$$

$$3x + 30 = 180$$

$$3x = 150$$

$$x = 50$$

March 7th	5-a-day	Higher
<p>Tanya bought a bicycle for £280.</p> <p>Three years later she sold it for £250.</p> <p>Work out the percentage loss.</p>	$\frac{30}{280} \times 100$ 10.7%	
<p>Factorise</p> $x^2 + 9x + 20$	$(x+4)(x+5)$	
<p>A car travels 200 miles to the nearest 10 miles.</p> <p>It travels for 4 hours to the nearest hour.</p> <p>Calculate the greatest possible average speed.</p>	$S = \frac{d}{t} = \frac{205}{3.5}$ 58.57 mph	
<p>Make y the subject</p> $4(x - y) = 2y + 5$	$4x - 4y = 2y + 5$ $4x - 5 = 6y$ $y = \frac{4x - 5}{6}$	
	<p>Calculate the area of the triangle</p> $\frac{1}{2} ab \sin C$ $\frac{1}{2} (40) \sin 80$ $20 \sin 80 = 19.7 \text{ cm}^2$	