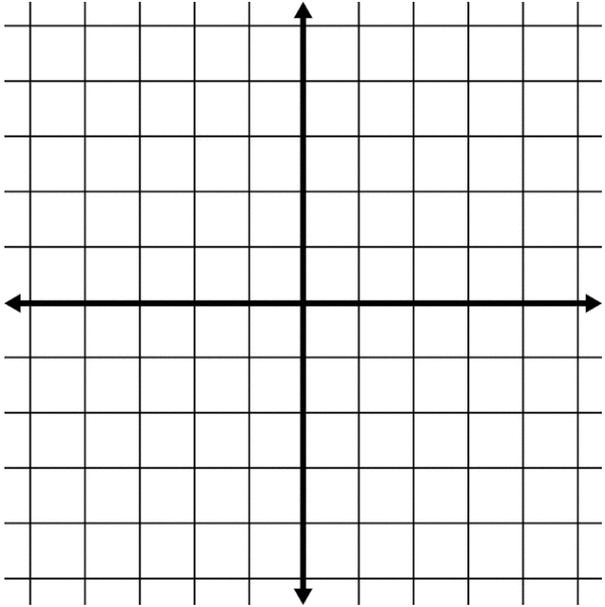# Calculator Foundation - GCSE Revision

Use your calculator to work out 4.5^2.	Write $\frac{3}{4}$ as a decimal.	Use your calculator to work out $3\frac{1}{2} \times 7\frac{2}{5}$.	Find 15% of 900.
Round 4.571629 to three decimal places.	Find the mean of these lengths: 3cm, 9cm, 12cm, 5cm	Plot the graph of $y = x - 1$ on the grid below. 	
The perimeter of an equilateral triangle is 21m. What's the length of one side of the triangle?	What goes in the box? $251 + \square = 85 \times 23$		

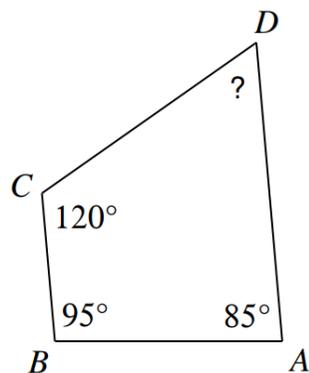|			
a) Estimate: $$\frac{43.1 \times \sqrt{96.3}}{2.38^2}$$ b) Use your calculator to work out: $$\frac{43.1 \times \sqrt{96.3}}{2.38^2}$$ Round your answer to 2 decimal places.	Mike and Connor share £1080 in the ratio 4 : 8. How much does Mike get?	There are 198 people at a cinema. $\frac{1}{3}$ of them are going to see a horror film, $\frac{1}{6}$ are going to see a romance and the rest are going to see a comedy. How many people are going to see a comedy?	The price of a magazine increases from £4 to £4.50. Find the percentage increase.
	Work out $13 + 2 \times \sqrt[3]{64}$.		Expand $5(2x + 7y)$
Work out the marked angle.		How many minutes in 2.25 hours?	"If I add two prime numbers I always get an even number". Find an example to show this is **not** true.

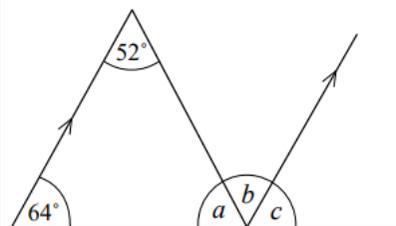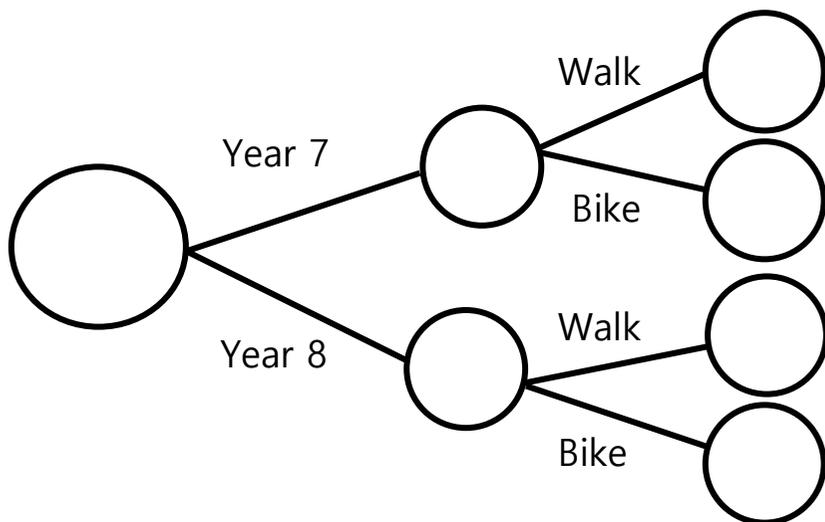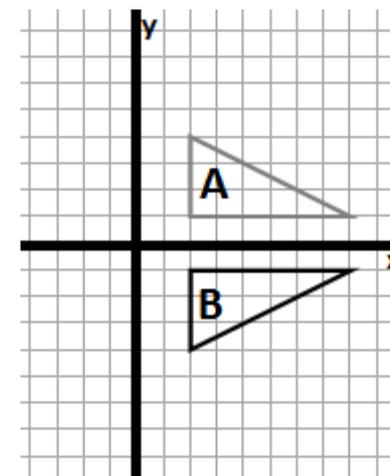|			
Jo and Dan share sweets in the ratio 10 : 4. Jo has 18 more sweets than Dan. How many sweets does Dan have?	Solve $3x + 10 = 31$.	Write 7% as a decimal.	Increase £43 by 16%

The two way table shows how a group of 100 pupils get to school. Complete the two way table then fill in the frequency tree.
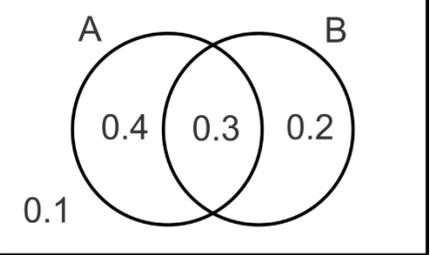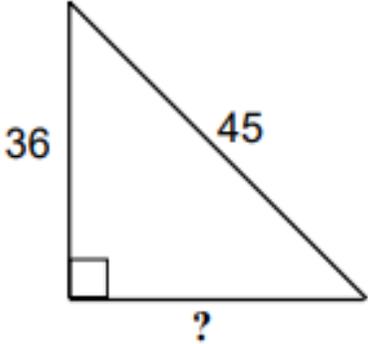
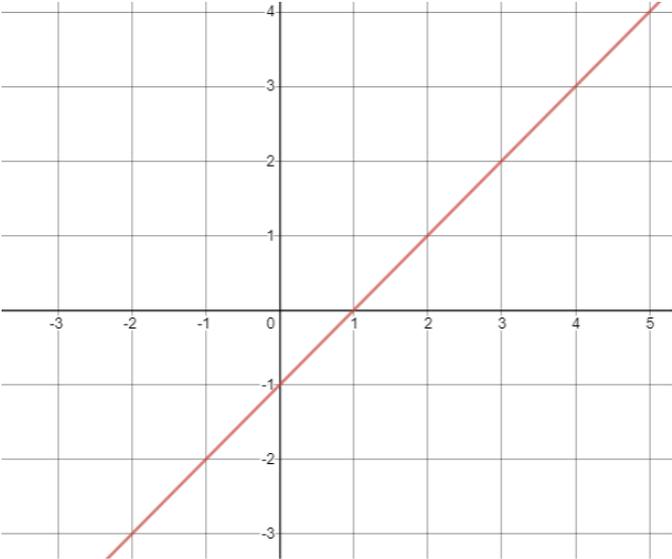|	Year 7	Year 8	Total
Walk		34	
Bike	31		
Total		44	100

Work out the size of angles a, b and c.

Shape A is transformed to give Shape B. Describe the transformation.

When $a = -3$, find the value of $5a^2 - 2a$.	A B 0.4 0.3 0.2 0.1 a) Find $P(A \cup B)$. b) Find $P(A')$.	A circle has area $40cm^2$. Find its diameter. Round your answer to two decimal places.	Use your calculator to work out $6.12 \times 10^7 \div 4.8 \times 10^2$. Answer in standard form.
Find the missing length. 36 45 ?	Super Squash costs £15 for 6 bottles and Fab Fizz costs £18 for 8 bottles. Which is better value for money? I bought a scarf in the sale. It was marked as 30% off. It cost me £10.50. What was the original price?	Are the following numbers prime? a) 27 b) 51 c) 127	A cockroach moves at 85 cm per second. What's that in kilometres per hour?

Calculator Foundation - GCSE Revision – ANSWERS

Use your calculator to work out 4.5^2. 20.25	Write $\dfrac{3}{4}$ as a decimal. 0.75	Use your calculator to work out $3\frac{1}{2} \times 7\frac{2}{5}$. $25\frac{9}{10}$ oe	Find 15% of 900. 135
Round 4.571629 to three decimal places. 4.572	Find the mean of these lengths: 3cm, 9cm, 12cm, 5cm $Mean = 7.25cm$	Plot the graph of $y = x - 1$ on the grid below. 	
The perimeter of an equilateral triangle is 21m. What's the length of one side of the triangle? $7m$	What goes in the box? $251 + \Box = 85 \times 23$ 1704		

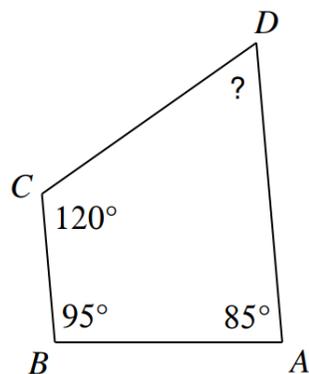|			
c) Estimate: $$\frac{43.1 \times \sqrt{96.3}}{2.38^2}$$ **100** d) Use your calculator to work out: $$\frac{43.1 \times \sqrt{96.3}}{2.38^2}$$ Round your answer to 2 decimal places. **74.67**	Mike and Connor share £1080 in the ratio 4 : 8. How much does Mike get? **£360**	There are 198 people at a cinema. $\frac{1}{3}$ of them are going to see a horror film, $\frac{1}{6}$ are going to see a romance and the rest are going to see a comedy. How many people are going to see a comedy? **99**	The price of a magazine increases from £4 to £4.50. Find the percentage increase. **12.5%**
	Work out $13 + 2 \times \sqrt[3]{64}$. **21**		Expand $5(2x + 7y)$ **$10x + 35y$**
Work out the marked angle. **60°**		How many minutes in 2.25 hours? **135**	"If I add two prime numbers I always get an even number". Find an example to show this is **not** true. **$2 + any\ other\ prime$**

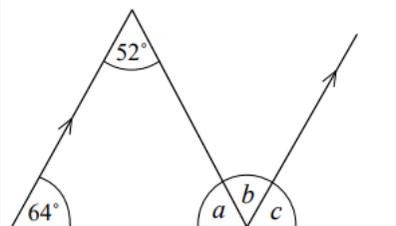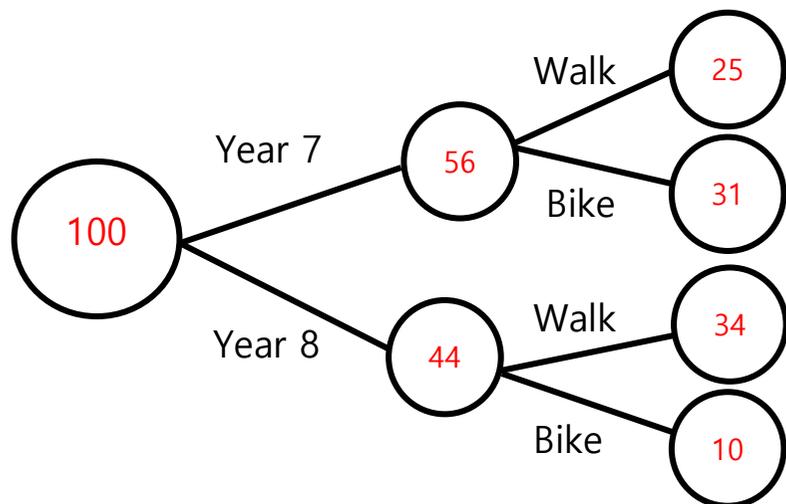| | | Jo and Dan share sweets in the ratio 10 : 4. Jo has 18 more sweets than Dan. How many sweets does Dan have?

12 | Solve $3x + 10 = 31$.

$x = 7$ | Write 7% as a decimal.

0.07 | Increase £43 by 16%

£49.88 |

The two way table shows how a group of 100 pupils get to school. Complete the two way table then fill in the frequency tree.
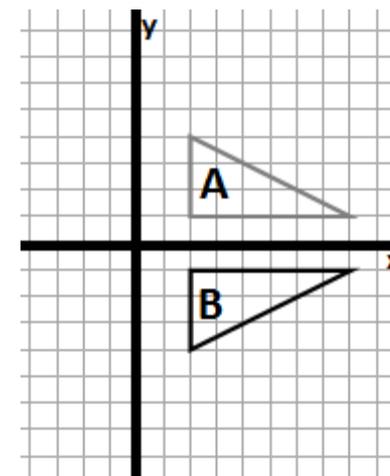
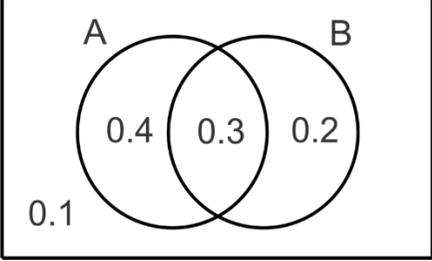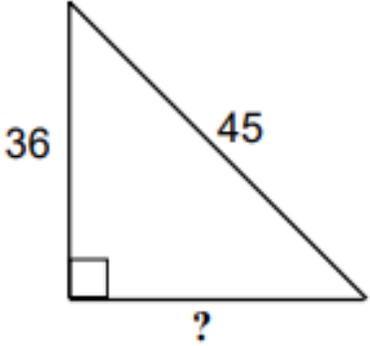|	Year 7	Year 8	Total
Walk	25	34	59
Bike	31	10	41
Total	56	44	100

Work out the size of angles a, b and c.

$a = 64^o$
$b = 52^o$
$c = 64^o$

Shape A is transformed to give Shape B. Describe the transformation.

Reflection in the x-axis
(or reflection in the line $y = 0$)

When $a = -3$, find the value of $5a^2 - 2a$. 51	 a) Find $P(A \cup B)$. 0.9 b) Find $P(A')$. 0.3	A circle has area $40cm^2$. Find its diameter. Round your answer to two decimal places. 7.14cm	Use your calculator to work out $6.12 \times 10^7 \div 4.8 \times 10^2$. Answer in standard form. 1.275×10^5
Find the missing length. 27	Super Squash costs £15 for 6 bottles and Fab Fizz costs £18 for 8 bottles. Which is better value for money? SS £2.50 | FF £2.25 Fab Fizz is best value I bought a scarf in the sale. It was marked as 30% off. It cost me £10.50. What was the original price? £15	Are the following numbers prime? (could use FACT button on calculator) a) 27 No b) 51 No c) 127 Yes	A cockroach moves at 85 cm per second. What's that in kilometres per hour? 3.06km/h