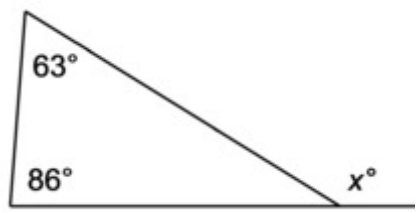
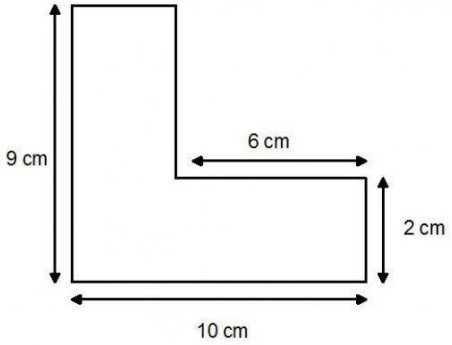
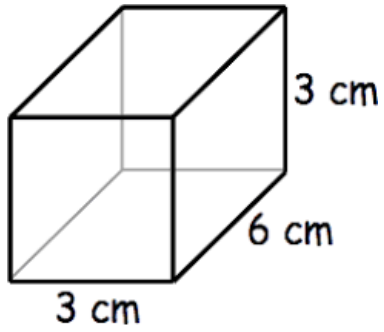
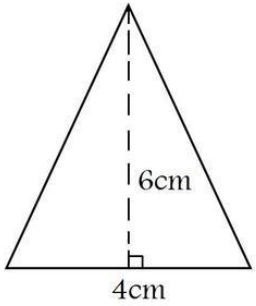
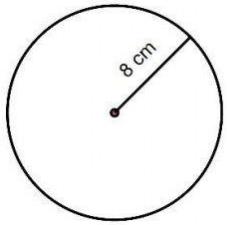
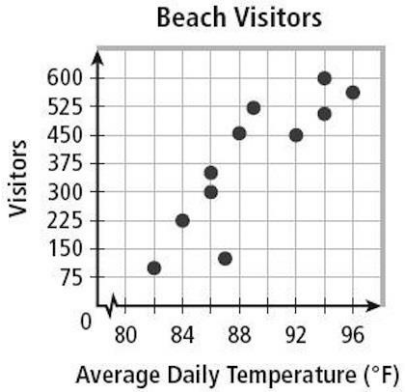
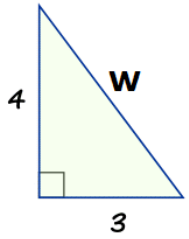
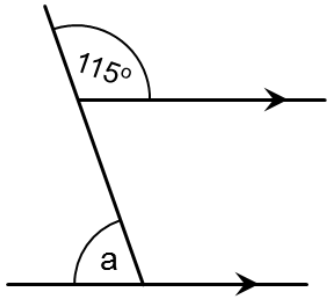
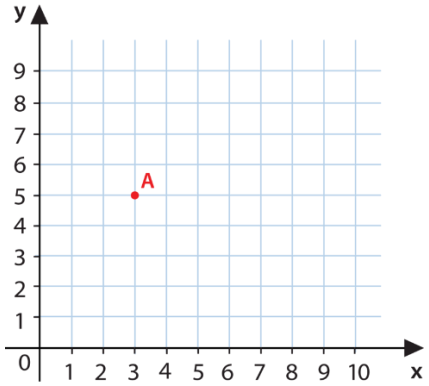
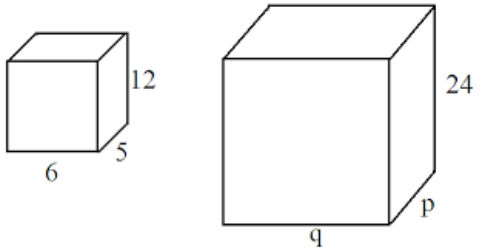
Non-Calculator Foundation - GCSE Revision

Write $\frac{15}{45}$ in simplest form.	How many metres are in 5 kilometres?	List the factors of 18.	Round 5.682 to one decimal place.
Decrease £500 by 20%.	Find the value of $5^2 + 2^3$.	Calculate $\frac{1}{12} \div \frac{9}{4}$.	List the first 5 prime numbers.
Calculate $\frac{2}{5} + \frac{1}{4}$.	Find the value of $5 + \sqrt{81} \times 4$.	Write 100 as a product of prime factors.	Solve $2x + 7 = 22$.

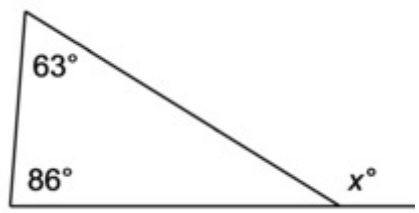
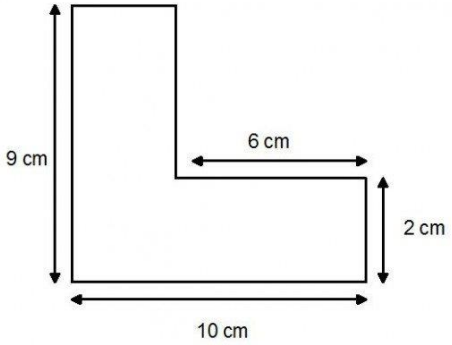
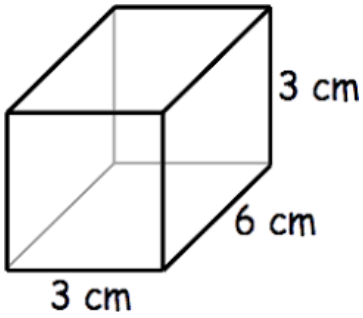
Find the size of angle x.  	Simplify $5x + 2y + 7x - y$.	Find the area.  	Estimate the value of $\frac{56.32 \times 12}{2.478 + 0.96}$
	Ben and Tyrell share £55 in the ratio 2:3. How much does Tyrell get?		Find the volume of the cuboid. 
Solve $5x - 4 = 3x + 12.$	What's the interior angle of an equilateral triangle?	Expand $6x(2x + 3)$.	

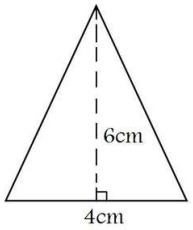
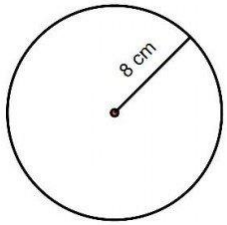
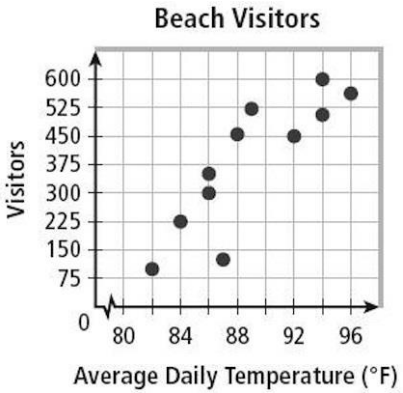
Solve $\frac{x}{2} = 8$.	Find the area.  	There are 15 counters in a bag. 2 are green, the rest are blue. A counter is picked at random. Find the probability of picking a blue counter.	Find the circumference. Give your answer in terms of π. 
What type of correlation is shown here?  	If $a = 6$ and $b = 4$, find: $-a-b$ $-a+b$ $a+(-b)$ $a-(-b)$	What's the lowest common multiple of 6 and 8?	Simplify $x^4 \times x^8$.
		I scored 24 out of 50 on a test. What's that as a percentage?	It costs £150 to buy 10 games. How much does it cost to buy 12 games?

Find the length w.  	Find angle a and give reasons.  	If a car travels 25 miles in 30 minutes, what is its speed in miles per hour?	Write 5 million in standard form.
Translate the point A by $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$. Label the translated point B.  What are the coordinates of B?	Solve $15 < 3 + 6x$.	What's the next term in each sequence? a) 1, 1, 2, 3, 5, 8, … b) 3, 7, 11, 15, 19, … c) 1, 2, 4, 8, 16, 32, …	These two cuboids are similar. Find the lengths p and q. 

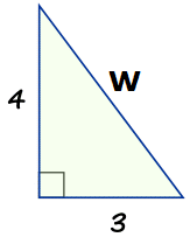
Non-Calculator Foundation - GCSE Revision – ANSWERS

Write $\frac{15}{45}$ in simplest form. $\frac{1}{3}$	How many metres are in 5 kilometres? 5000	List the factors of 18. $1, 2, 3, 6, 9, 18$	Round 5.682 to one decimal place. 5.7
Decrease £500 by 20%. $£400$	Find the value of $5^2 + 2^3$. 33	Calculate $\frac{1}{12} \div \frac{9}{4}$. $\frac{1}{27}$	List the first 5 prime numbers. $2, 3, 5, 7, 11$
Calculate $\frac{2}{5} + \frac{1}{4}$. $\frac{13}{20}$	Find the value of $5 + \sqrt{81} \times 4$. 41	Write 100 as a product of prime factors. $100 = 2^2 \times 5^2$	Solve $2x + 7 = 22$. $x = 7.5$

Find the size of angle x.  149^o	Simplify $5x + 2y + 7x - y$. $12x + y$	Find the area.  $48cm^2$	Estimate the value of $\frac{56.32 \times 12}{2.478 + 0.96}$ $\frac{60 \times 10}{2 + 1} = \frac{600}{3} = 200$
	Ben and Tyrell share £55 in the ratio 2:3. How much does Tyrell get? £33		Find the volume of the cuboid.  $54cm^3$
Solve $5x - 4 = 3x + 12.$ $x = 8$	What's the interior angle of an equilateral triangle? 60^o	Expand $6x(2x + 3)$. $12x^2 + 18x$	

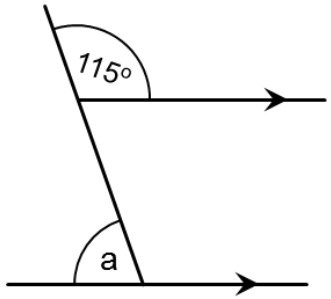
Solve $\frac{x}{2} = 8$. $x = 16$	Find the area.  $12cm^2$	There are 15 counters in a bag. 2 are green, the rest are blue. A counter is picked at random. Find the probability of picking a blue counter. $\frac{13}{15}$	Find the circumference. Give your answer in terms of π.  16π
What type of correlation is shown here?  Positive	If $a = 6$ and $b = 4$, find: $-a-b$ = -10 $-a+b$ = -2 $a+(-b)$ = 2 $a-(-b)$ = 10	What's the lowest common multiple of 6 and 8? 24 I scored 24 out of 50 on a test. What's that as a percentage? 48%	Simplify $x^4 \times x^8$. x^{12} It costs £150 to buy 10 games. How much does it cost to buy 12 games? £180

Find the length w.



5

Find angle a and give reasons.



65^0

(straight line + corresponding/alternate)

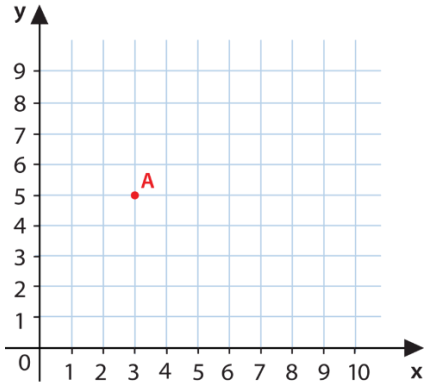
If a car travels 25 miles in 30 minutes, what is its speed in miles per hour?

$50\ mph$

Write 5 million in standard form.

5×10^6

Translate the point A by $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$. Label the translated point B.



What are the coordinates of B?

(6,3)

Solve $15 < 3 + 6x$.

$x > 2$

What's the next term in each sequence?

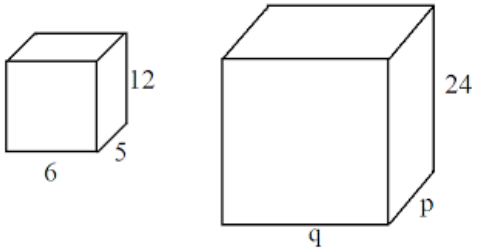
a) 1, 1, 2, 3, 5, 8, … 13

b) 3, 7, 11, 15, 19, … 23

c) 1, 2, 4, 8, 16, 32, … 64

These two cuboids are similar.

Find the lengths p and q.



$p = 10$
$q = 12$