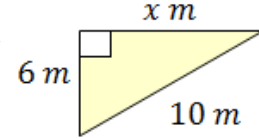
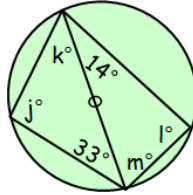






1 Calculate the median of the following data set...

8, 2, -4, 5, -6, 1

2  Calculate the length of the missing side.

3  Calculate the size of the missing angles...

4 How far did a scooter travel in 36 minutes at an average speed of 7 m.p.h.?



5 If $p = 8$ and $q = -6$ calculate :-

$$\frac{4p + 2q}{5}$$


6 Multiply out the following brackets and simplify...

$$5(x + 8) - 3(2x - 7)$$


7 Stevie scored 86 out of 110 in his maths prelim. What was his percentage? Round your answer to the nearest percent.

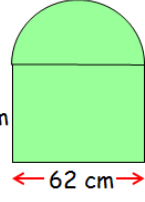



8 Write 0.46 as a percentage and a fraction.





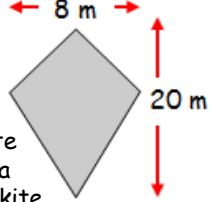
9 A bus is going on a 52 mile school trip. The bus travelled 28.24 miles before taking a short break. It then travelled a further 8.024 miles. How much further does it have to go?

10  Calculate the area of this shape...



11 How many 150 ml cups of coffee can be filled from a 3 litre coffee machine?





12  Calculate the area of this kite...

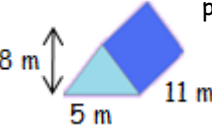
13 Simplify the following expression...

$$5x^2 - 2x - 4x^2 + 9x$$


14 Dominic pays £48 for a Valentine's dinner. He tips the waiter 10% of the value of the bill. How much does he pay in total?



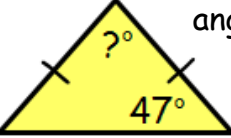
15 Calculate the volume of this triangular prism...



16 In a survey of 36 people, $\frac{3}{8}$'s of them preferred tea to coffee. How many of them preferred coffee?



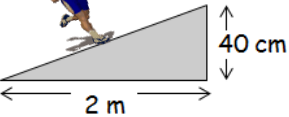
17 Calculate the missing angle...



18 Solve the following equation...

$$9x + 15 = 3 + 5x$$



19 Calculate the gradient of this treadmill...



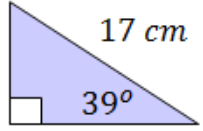
20 Factorise the following expression...

$$15a - 24$$

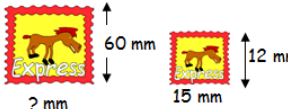
21 An art dealer paid £800 for an oil painting. He sold it for £920. Express this profit as a percentage of what he paid for the painting.


22 Calculate the length of the missing side.



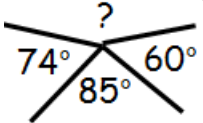
23 These two stamps are mathematically similar. Calculate the length of the missing side...

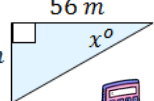



24 7 sandwiches cost £12.95. How much for 9 sandwiches?



25 Calculate the missing angle...




26  Calculate the size of the missing angle. Round your answer to 1 decimal place.



27 A standard pack of playing cards has 52 cards. What is the probability of choosing an even number at random?

28 Write a rule and complete the table...



no. of circles (C)	1	2	3	11	?
no. of lines (L)	6	9	12	?	78