



1 Solve the following equation...

$$5x - 9 = 2x + 12$$

7 How long did a train take to travel 192 miles at an average speed of 80 m.p.h?

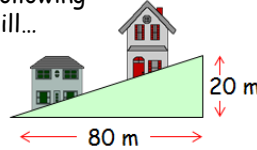


6 Calculate $\sqrt{64 - 28} \div 2$

5 The Byrne's set out on a journey of 123 miles. They travel 37.78 miles and have a break. They then travel a further 60.295 miles. How much further do they have to travel?



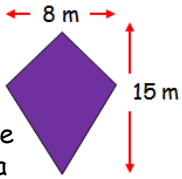
4 Calculate the gradient of the following hill...



3 Evaluate $4^5 + 6^4$



2 Calculate the area of this kite...

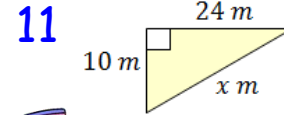


13 Write 0.0304 in scientific notation.

12 A company making matches will accept each match within a tolerance of (35 ± 4) mm. What are the minimum and maximum length of matches that the company will accept?



11 Calculate the length of the missing side...



10 Calculate $2\frac{3}{4} - 1\frac{2}{3}$

9 Decrease 35 metres by 20%



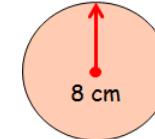
8 Organic strawberries are sold in punnets of 30. How many punnets can be made from 444 strawberries?



19 The mean age of four babies is 5 months. Three of the babies' ages are 2, 3 and 9 months. What is the age of the fourth baby?



18 Calculate the area of this circle...



17 A group of 6 hill climbers take enough food to last a 4 day trip. Another 2 climbers join the group, but they do not bring food. How many days will the food now last this larger group?

16 Factorise the following expression... $3y + 24$

15 In a school there are 288 pupils and 12 teachers. What percentage of the school are teachers?



14 Calculate 684×293

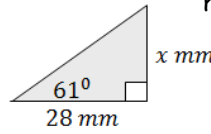
24 The following pitches are mathematically similar. Calculate the missing area... $\text{Area} = ? \text{ area} \dots$

Area = 35 m²



23 Calculate $3528 \div 72$

22 Calculate the length of the missing side...



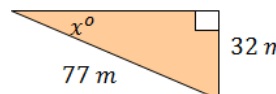
21 Solve the following inequality... $9x + 7 < 61$

20 Bus 1 has a 2 in 30 chance of arriving late. Bus 2 has a 8 in 50 chance of being late. Which bus is more likely to not arrive on time?



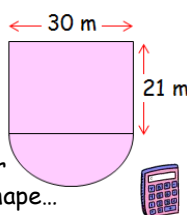
25 Multiply out the following brackets and gather like terms... $2(4x + 1) - 3(x - 2)$

30 Calculate the size of the missing side...

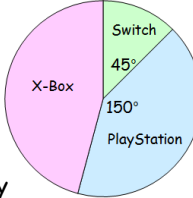


29 Find the 'nth' term for the following sequence and hence find the 10th term; 5, 8, 11, ...

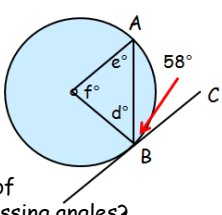
28 Calculate the perimeter of this shape...



27 408 children asked. How many preferred Xbox?



26 What are the sizes of the missing angles?



31 This witch's hat is in the shape of a cone. It has a diameter of 20 cm and a height of 30 cm. Using $\pi = 3.14$ calculate its volume.



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Numeracy for Learning, Life and Work



October CfE 4th Level Calendar

#abitofmathseveryday



1

2	3	4	5	6	7
8	9	10	11	12	13
14	15	16	17	18	19
20	21	22	23	24	25
26	27	28	29	30	31