



1 Calculate

$$2\frac{7}{9} + 1\frac{3}{4}$$

7 Solve the following equation...

$$8x + 15 = 4 - 3x$$

pound	453.59 g
stone	6.35 kg

13 A heavy weight boxer weighs 15 st 2 lb. How heavy is he in kilograms?



2 Factorise the following expression...

$$20 - 16m$$

3 Calculate the range of the following data set...

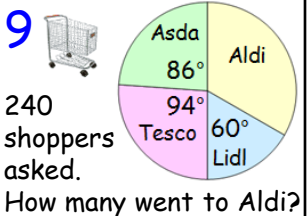
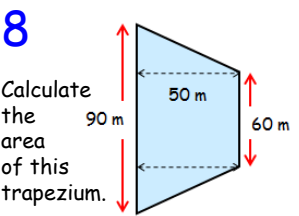
- 4, 1, -3, 7, 0, -5

4 Multiply out the following brackets and simplify...

$$4(2x - 6) + 19$$

5 Express $\frac{14}{15}$ as a decimal

6 Calculate 314×159



10 Increase 40 cm by 30%

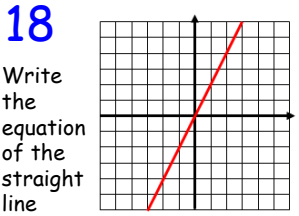
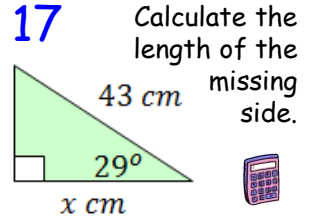
11 A roller coaster took 3 minutes to cover 2.5 miles. What was its average speed?

12 Different colours of paint were used for a 10 litre mixture. 6.81 litres of blue paint and 2.059 litres of yellow paint were used with the rest of the paint being red. How much red paint was used?

14 The circumference of this pie is 62.8 cm. Calculate its diameter.

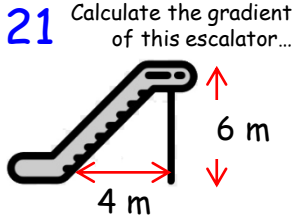
15 Calculate $(9 - 7)^2 \div \sqrt{16}$

16 Which is more likely? Picking a club from a pack of playing cards or getting a score of more than 4 from rolling a dice.



19 Write $3 \cdot 14 \times 10^{-2}$ in number form.

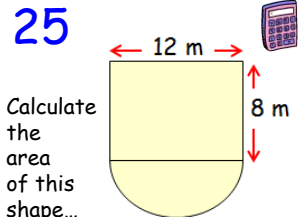
20 Calculate $8792 \div 28$



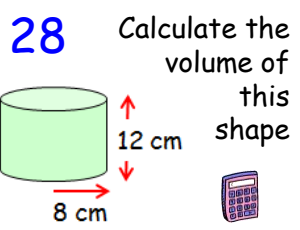
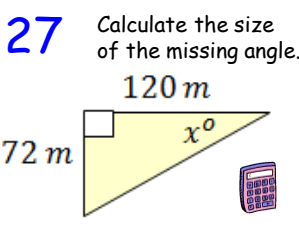
22 Buttons are manufactured that must have a diameter with a tolerance of (10 ± 1.2) mm. What are the minimum and maximum diameters that are acceptable?

23 Find the 'nth' term for the following sequence and hence find the 10th term; 7, 11, 15, ...

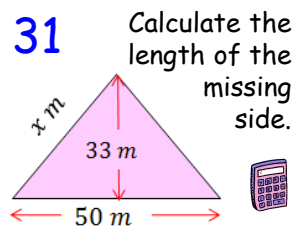
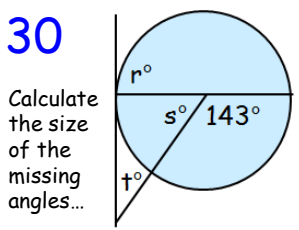
24 Robert is growing a sunflower. One week its height increased from 48 cm to 60 cm. Calculate the percentage increase in the sunflower's height.



26 The following signs are mathematically similar. Calculate the missing area...



29 A standard bottle of wine holds $\frac{3}{4}$ litre. How many 175 ml glasses of wine could be poured from a standard bottle?



RIGOUR

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Numeracy for Learning, Life and Work



March 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