



1 Calculate
 $87 - (6 + 2)^2$

2 Evaluate
 $\sqrt[3]{279\,936}$

3 Calculate
 34×27

4 Calculate the range of the following data set...
7, -5, 1, -7, 6, 3, -2

5 Calculate the length of the missing side...

30 cm 50 cm
x cm

6 Multiply out the following brackets and gather like terms...
 $2(x + 5) + 3(2x + 7)$

7 John scored 57 out of 70 in his maths test. Calculate his percentage, rounding your answer to the nearest percent.

8 To feed some animals in a zoo 6.3 kg of rice was mixed with 4.17 kg of vegetables. The animals ate 8 kg of feed. How much feed is left?

9 Calculate the surface area of this cuboid.

10 Write 56 000 in scientific notation.

11 Express $\frac{5}{6}$ as a decimal

12 Calculate the gradient of the following hill...

13 Solve the following equation...
 $8x - 15 = 3x + 5$

14 Decrease €300 by 10%

15 A plane flies 920 kilometres in 2 hrs 18 mins. What is its average speed?

16 Calculate the volume of this cylinder

17 Calculate
 $1672 \div 38$

18 Factorise the following expression...
 $48t - 56$

19 Calculate the length of the missing side...

20 Find the 'nth' term for the following sequence and hence find the 10th term;
4, 11, 18, ...

21 12 854 eggs are packed into boxes which will each hold 16 eggs. How many boxes are needed to hold all the eggs?

22
Calculate the area of this trapezium.

23 Write 5.3×10^{-2} in number form.

24 The weather forecast predicts a 33 in 45 chance of rain in Scotland. It also predicts a 47 in 65 chance of rain in England. Is it more likely to rain in Scotland or England? You must give a reason your answer.

25 Calculate the median of the following data set...
7, 2, 1, 5, 4, 6

26 Calculate the length of the missing side...

27 What are the sizes of the missing angles?

28 A cutting from a piece of wood has a tolerance of (25 ± 1.5) cm. What are the minimum and maximum lengths of wood that are acceptable?

29 The mean weight of three cows is 720 kilograms. Two of the cows weigh 500 and 880 kg. What is the weight of the third cow?

30
What are the co-ordinates of A, B, C and D?

31 Calculate the size of the missing angle...

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Numeracy for Learning, Life and Work



July CfE 4th Level Calendar

#abitofmathseveryday



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| 2 | 3 | 4 | 5 | 6 | 7 |
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| 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 |
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