



1 Calculate 70% of 40

2 Calculate the volume of this triangular prism...

3 If $p = -4$ and $q = 5$ calculate :-

$$2p - 3q$$

4 Increase 180 grams by 25%

5 Calculate $\frac{5}{7}$ of 385

6 Calculate the median of the following data set...
9, 4, 8, 1, 3, 9

7 Factorise the following expression...
 $9x - 12$

8 The mean cost of two computers is £459. One computer costs £295. What is the cost of the other computer?

9 John is running a half marathon for charity, a distance of 13 miles. He managed to run 3.25 miles before he walked a further 7.235 miles. How much further does he still have to run?

10 Share 480 in the ratio 1 : 2 : 3.

11 Multiply out the following bracket and simplify...
 $6 - 2(x - 4)$

12 How long did a police car take to travel 33 miles at an average speed of 90 m.p.h?

13 Calculate the area of this parallelogram...

14 Solve the following equation...
 $x + 2 = 9 - x$

15 Which is more likely?

- Picking a heart from a pack of playing cards
- Getting a score of less than 3 from rolling a dice.

16 Simplify the following expression...
 $6x - 2y + 5x - 7y$

17 Exchange Rate:-
£1 = \$1.29

Change £600 into dollars

18 The perimeter of this shape is 38 mm. Calculate the length of the missing side.

19 Organic bananas are sold in bags of 7. How many bags can be made from 304 bananas?

20 Calculate the gradient of the following ramp...

21 Julie scored 12 out of 35 in her chemistry test. Calculate her percentage.

22 840 people asked. How many preferred Italy?

23 Calculate the length of the missing side...

24 Which shop is offering the best deal?

SafeWise!
For value!
Buy 8 cans get 8 free!
Only £9.92

CostSmart!
12 cans for the price of 9!
Only £6.84

25 4 burgers cost £5.60. How much for 7 burgers?

26 Write 60% as a fraction and a decimal.

27 Calculate the size of the missing angle...

28 Write a rule and complete the table...

pentagons (P)		1	2	3	9	?
matchsticks (M)		5	9	13	?	129

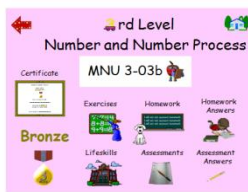
29 Calculate the area of this shape...

30 What are the sizes of the missing angles?

RIGOUR

by cdmasterworks Ltd

Numeracy for Learning, Life and Work



September National Maths 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