RIGOUR
by cdmasterworks Ltd

Numeracy for Learning, Life and Work

3rd Level Number and Number Process — MNU 3-03b

Certificate — Bronze — Exercises — Homework — Homework Answers — Lifeskills — Assessments — Assessment Answers

March CfE 3rd Level Calendar

#abitofmathseveryday

1 Change $\frac{37}{8}$ into a mixed number.

2 Calculate 43 - 78

3 What is the probability of selecting an orange from a bowl containing 8 apples, 6 bananas, 4 pears and 10 oranges?

4 Calculate $\frac{4}{9}$ of 1602

5 Calculate the missing angle… (right angle, 59°, ?°)

6 Evaluate $\sqrt[3]{1000}$

7 The perimeter of this shape is 206 m. Calculate the length of the missing side… ? m, 38 m, 44 m, 60 m

8 Calculate 0·39 - 2·7 + 6·085

9 Calculate 0·6 × 0·05

10 Calculate $\frac{5}{6} + \frac{2}{3}$

11 Simplify the following expression… $6z^2 - 5z + z^2 + 6z$

12 In a florist, all flowers cost the same. Max pays £5·81 for a bunch of 7 flowers for his mum for Mother's Day. How much would it cost for a bunch of 9?

13 If a = 6 and b = -1 calculate :- $\frac{3a - 2b}{4}$

14 Round 3·141592654 to 3 decimal places.

15 In a dance display 3 dancers jump at the same time. Abbey then jumps every 4 seconds, Georgia every 6 seconds and Cari every 8 seconds. After how long will they all jump at the same time again?

16 Solve the equation… $9x - 5 = -23$

17 The population of Ireland is 4 773 000. Round this number to the nearest hundred thousand.

18 Express 250 as a product of prime factors

19 Write 4% as a fraction and a decimal.

20 What is the Highest Common Factor of 20, 40 and 56?

21 How many grams are in a $\frac{1}{4}$ kilogram pack of sugar?

22 How far did a 4 × 4 drive in 1 hr 45 mins at an average speed of 60 m.p.h.?

23 On a school trip, the ratio of teachers to pupils is 2 : 11. If there are 132 pupils, how many teachers are there?

24 Work out… $\left(-\frac{1}{2}\right)^2$

25 Calculate 40% of £45

26 Calculate the length of this cuboid… ? cm, 4 cm, 2 cm, Volume 56 cm³

27 The body mass index, B, of a person who weighs w kilograms and whose height is h metres is given by the formula $B = \frac{w}{h^2}$. Calculate the value of B for a person who weighs 54 kilograms and is 1·5 metres tall.

28 Calculate the area of this composite shape… 6 mm, 5 mm, 15 mm, 14 mm

29 Calculate the missing angles… 119°, $?_1°$, 64°, $?_2°$

30 Select the prime number(s) from the following list… 111, 121, 131, 141, 151.

31 Write a rule and complete the table…

shelf size (S)	1	2	3	16	?
pieces of wood (W)	4	7	10	?	76

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						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	