RIGOUR
by cdmasterworks Ltd

Numeracy for Learning, Life and Work

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

Certificate
Exercises Homework Homework Answers
Bronze
Lifeskills Assessments Assessment Answers

June CfE 3rd Level Calendar
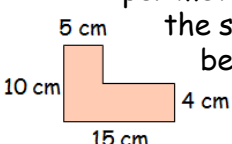
#abitofmathseveryday

1 Simplify the following expression...

$$n^2 - 2n - 8n^2 + 5n$$

2 Calculate

$6\cdot6 - 8\cdot74 + 5\cdot213$

3 Calculate the perimeter of the shape below…

5 cm
10 cm
4 cm
15 cm

4 What is $\sqrt{9\,000\,000}$?

5 Calculate

$8 + 4 \times (-2)$

6 What is the bearing FROM Prague to Glasgow?
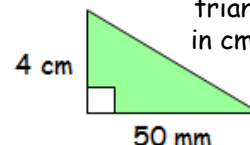
North
124° Prague
Glasgow

7 Change $1\frac{4}{5}$ into an improper fraction.

8 6 ketchup bottles cost £5·34. How much do 10 ketchup bottles cost?

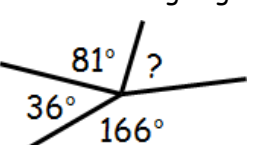**9** Express 102 as a product of prime factors

10 There are 52 cards in a pack. What is the probability of choosing a queen?

11 What is the Lowest Common Multiple of 9, 12 and 18?

12 Calculate the area of this triangle in cm² …

4 cm
50 mm

13 Write a rule and complete the table…

no. of panels (P)	2	3	4	33	?
shelves (S)	4	7	10	?	145

14 Calculate the missing angle…

81° ?
36°
166°

15 What is the Highest Common Factor of 64 and 80?

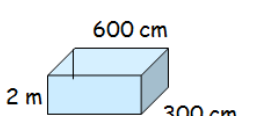**16** Calculate $\frac{3}{8}$ of 1136

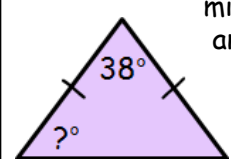**17** The ratio of lions to zebras is 2 : 9. If there are 86 lions, how many zebras are there?

18 Select the prime number(s) from the following list…

141, 143, 144, 147, 149.

19 Calculate $-7 + (-3)$

20 If $c = 5$ and $d = -2$ calculate :-

$3c + d^2$

21 Calculate $\frac{5}{12} - \frac{1}{3}$

22 Calculate the capacity of this water tank in litres.

600 cm
2 m
300 cm

23 Calculate the missing angle…

38°
?°

24 Write 72% as a fraction and a decimal.

25 Calculate $3 \div 0\cdot5$

Exchange Rate:-
£1 = €1·15

26 Solve the equation…

$6x - 1 = 2$

27 A square has an area of 49 cm². Calculate it's perimeter.

28 Calculate 85% of €60

29 How long did a plane take to fly 2100 kilometres to Malaga at an average speed of 600 km/hr.?

30 Sophie sees the same pair of sun glasses for sale at 2 different prices. Which price is the best deal?

Price in Pounds Price in Euros
8.95 9.95

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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		