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

May CfE 3rd Level Calendar

#abitofmathseveryday

1 Calculate
$$4 + (-8) \div 4$$

2 What is $\sqrt{160\,000}$?

3 Exchange Rate:-
£1 = $1·29
Change $322·50 into pounds

4 Calculate
$$1·2 \times 300$$

5 Calculate
$$3·2 - 9·57 + 8·614$$

6 Calculate $\frac{7}{9}$ of 3402

7 Simplify the following expression...
$$4x^2 - 8x - x^2 + 9x$$

8 Change 47 grams into kilograms
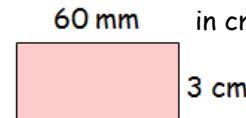
9 Change $5\frac{2}{3}$ into an improper fraction.

10 Calculate
15% of £48

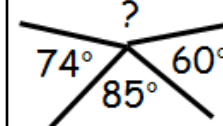**11** Calculate the area of this rectangle in cm² ...
60 mm
3 cm

12 Write 0·02 as a fraction and a decimal.

13 Calculate the missing angle...
?
74°   60°
85°

14 Select the prime number(s) from the following list...
131, 134, 135, 137, 139.

15 How far did a hot air balloon fly in 2 hour 45 mins at an average speed of 20 m.p.h.?

16 Solve the equation...
$$3x - 17 = -5$$

17 4 bananas cost £3·16. How much do 5 bananas cost?

18 2 cyclists begin laps around a circuit at the same time. Cyclist 1 takes 32 seconds to complete a lap, and cyclist 2 takes 40 seconds. After how long will they cross the start line at the same time again?

19 What is the Highest Common Factor 24 and 60?

20 There are 12 crayons in a pack. There are equal numbers of pink, blue, green and yellow crayons. A crayon is chosen at random. What is the probability of choosing a blue crayon?
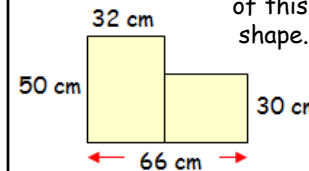
21 Express 120 as a product of prime factors

22 A square has a perimeter of 24 metres. Calculate it's area.

23 If p = 2 and q = -1 calculate :-
$$3pq - 6$$

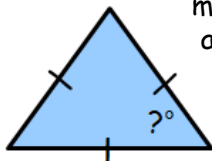**24** Calculate the area of this shape.
32 cm
50 cm
30 cm
66 cm

25 Calculate
$$\frac{1}{2} + \frac{7}{9}$$

26 Calculate
$$0·24 \div 0·4$$

27 Calculate the missing angle...
?°

28 Calculate the breadth of this cuboid...
6 cm
5 cm
Volume 60 cm³
? cm
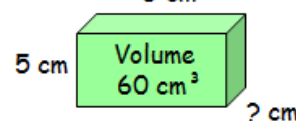
29 Write a rule and complete the table...

R	1	2	3	4	24
B	4	7			97

30 The ratio of diesel to unleaded cars is 5 : 8. If there are 248 unleaded, how many diesel are there?

31 What is the bearing FROM Moscow to Glasgow?
North
Moscow
73°
Glasgow

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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	