RIGOUR

by cdmasterworks Ltd

Numeracy for Learning, Life and Work


# September CfE 3rd Level Calendar

## #abitofmathseveryday


**1**

Calculate

$-6 \times (-8)$

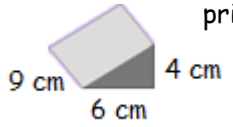
**2**

Calculate

70% of 40

**3**

Calculate the volume of this triangular prism...




**4**

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

$2p - 3q$

**5**

Calculate

$0{\cdot}06 \times 0{\cdot}04$

**6**

Calculate

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

**7**

Calculate

3·1 - 7·28 + 6·504

**8**

Calculate

$5^3$

**9**

Simplify the following expression...

$6x - 2y + 5x - 7y$

**10**

What is the Lowest Common Multiple of 2, 3 and 5?

**11**

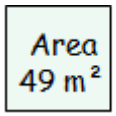
Change $\frac{53}{9}$ into a mixed number

**12**

What is $\sqrt{144}$ ?

**13**

Calculate the length of the missing side of this square...




**14**

Calculate

$\frac{1}{3} + \frac{7}{8}$

**15**

How long did a train take to travel 700 miles at an average speed of 80 m.p.h?

**16**

Solve the equation...

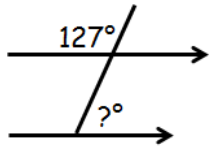
$2x + 5 = 14$

**17**

Express 30 as a product of prime factors

**18**

Calculate the missing angle...




**19**

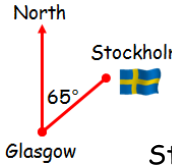
4 burgers cost £5·60. How much for 7 burgers?

**20**

Write 60% as a fraction and a decimal.

**21**

Write down the 3 figure bearing FROM Glasgow TO Stockholm...




**22**

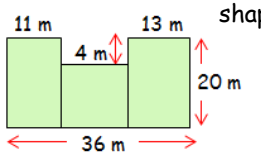
Exchange Rate:-

£1 = $1·29

Change £600 into dollars

**23**

Calculate the area of this composite shape...




**24**

Calculate

$32 \div 0{\cdot}8$

**25**

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

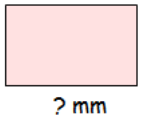
**26**

Write a rule and complete the table...

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

**27**

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




**28**

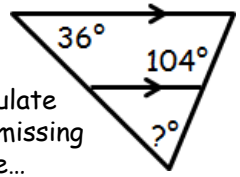
Select the prime number(s) from the following list...

111, 141, 171, 181, 191

**29**

What is the Highest Common Factor of 32 and 48?

**30**




Calculate the missing angle...

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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 |