MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

DECEMBER 2018

Friday (top right grid):
U 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

- = mint
- = chocolate
- = biscuit
- = nothing

1 (Saturday) A class of **30** students are given a treat. Every second student is given a mint sweet, every third student is given a chocolate and every fourth student is given a biscuit. How many students received nothing? Did anyone get all three?
nothing = 10   all three = 2

3 (Monday) $\frac{5}{7} - \frac{1}{7} = \frac{4}{7}$

4 (Tuesday) Without a calculator, work out 3681 - 67
3681
-67
3614   = 3614

5 (Wednesday) What is 3% written as a fraction?
$\frac{3}{100}$

6 (Thursday) Without a calculator, work out 405 ÷ 15
15
30
45
60
75
90
105
15) 405 = 27

7 (Friday) Work out 6 × 0.25
0.25
× 6
1.50   = 1.5

8 (Saturday) 1 4 9 16 25 36... Can you make a square number by adding two prime numbers together? YES ☺
2, 3, 5, 7, 11, 13, 17, 19, 23, 29
11 + 5 = 16 ✓   23 + 13 = 36 ✓
23 + 2 = 25 ✓   etc

10 (Monday) 24) 1,2,3,4,6,8,12,24 36) 1,2,3,4,6,9,12,18,36
List all the common factors of 24 and 36
1, 2, 3, 6, 12

11 (Tuesday) Calculate −5 +− 9
−14

12 (Wednesday) What is 2% written as a fraction?
$\frac{2}{100}$ or $\frac{1}{50}$

13 (Thursday) Simplify $\frac{6 \div 3}{15 \div 3} = \frac{2}{5}$

14 (Friday) Round 3769 to the nearest 100
3800

15 & 16 (Sat/Sun) Rob owes £40   Chris owes 50 70
Rob owes Chris **£40**.
Then Chris borrows **£50** from Rob.
Later Rob lends Chris **£60**.
Who owes who? What amount do they owe?
Chris owes Rob £70

17 (Monday) What is the 3rd square number (9) multiplied by the 2nd prime number (3)?
9 × 3 = 27

18 (Tuesday) What is 0.28 written as a percentage?
28%

19 (Wednesday) Calculate −12 ÷ −4
= 3

20 (Thursday) What is the smallest even number that can be made using the digits?
8 7 4 1
4 1 7 8

21 (Friday) Without a calculator, work out 1022 ÷ 7 = 146
0146
7) 1022

22 & 23 (Sat/Sun) Think of a number between 0 and 20.
Add 32 to it.
Multiiply by 2.
Now close your eyes ...
its dark isnt it?? Have a break ... its Christmas!

24 (Monday) Convert 15 cm to mm
150mm

25 (Tuesday) True or False?
All the digits in odd numbers are odd
False. 21 is odd but 2 is even

26 (Wednesday) Calculate 9 − 6 $\frac{2}{3}$
= 9 − 2
= 7

27 (Thursday) How many prime numbers are there between 0 and 100? 25

28 (Friday) Round 0.269 to the nearest tenth
0.3

29 & 30 (Sat/Sun) Mel is writing all the counting numbers from **9** upwards. She stopped after writing twenty seven digits. What was the last number she wrote? 22
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 ...

31 (Monday) $\frac{3}{5}$ of 20 = 12
20 ÷ 5 = 4
4 × 3 = 12

REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!