Maths Department
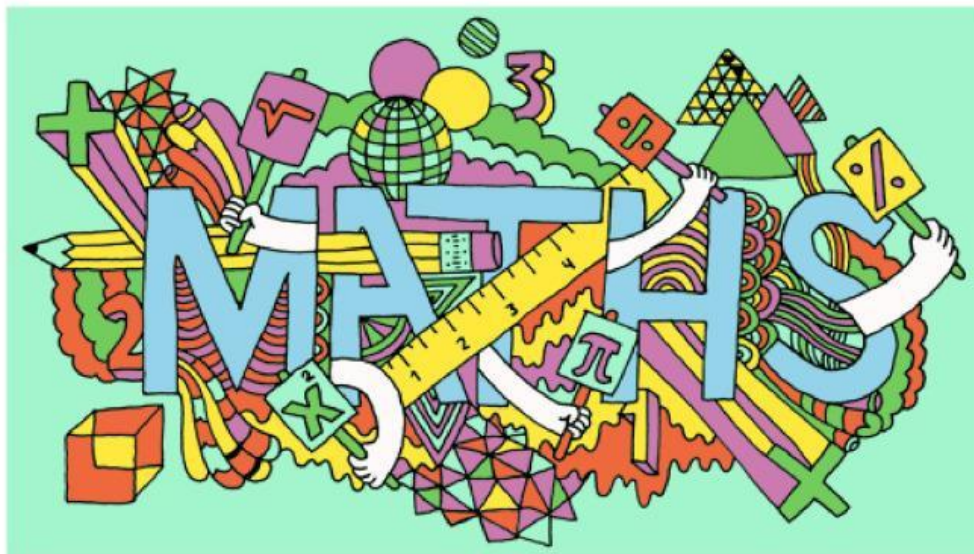
Pre-test Practice Medium <mark>Mk1</mark>

Tests for divisibility, primes, number logic, and more…

Name:_____

Question 1
Which of these numbers is exactly divisible by three with no remainder?

2135	5426	2817	5555	6613

Question 2
Which of these numbers is exactly divisible by three with no remainder?

8765	7654	6107	1101	2777

Question 3
Which of these numbers is exactly divisible by 6?

1899	1702	1803	1908	5606

Question 4

What is the answer to 654 x 996?

Hint: you can tell just by looking at the last digits of the numbers in the question, and then the last digits of the suggested answers...

651,384	651,348	651,442	654,442	654,008

Question 5

What is the answer to 568 x 222?

568,003	146,076	146,884	146,702	568,222

Question 6

What is the answer to 231 x 123 ?

Hint: The answer will be only slightly larger than 200 x 100.

2813	283	28,413	248,333	2,231,123

Question 7

What is 850 ÷ 25 ?

31	32	33	34	35

Question 8

What is 1225 ÷ 25 ?

49	50	125	150	250

Question 9

Only one of the following numbers is prime.
Which one?

7832	7823	7833	7835	7870

Question 10

Only one of the following numbers is prime.
Which one?

3049	3048	3063	3490	3445

Question 11

64 x 52 = 3328

What is **65** x 52?

3340	3350	3360	3370	3380

Question 12

41 x 35 = 1435

What is 42 x 35 ?

1740	1470	1455	1490	1500

Question 13

$$210 = 2 \times 3 \times 5 \times 7$$

Which of the following is NOT a factor of 210?

15	35	24	10	21

Question 14

$$2 \times 3 \times 7 \times 11 = 462$$

Which of the following is NOT a factor of 462?

12	42	77	33	6

Question 15

$$3 \times 5 \times 7 \times 11 = 1155$$

Which of the following is NOT a factor of 1155?

35	33	21	49	55

Question 16

Which of these is the only prime number?

9	16	21	37	49

Question 17

Which of these is the only prime number?

39	41	45	49	51

Question 18

Spot the prime number.

53	57	69	81	99

Question 19

What is the missing number?

49   64   81   100   121   144   _____   196

155	166	169	175	181

Question 20

Beaudesert beats Pinewood by a score of 5 - 2 .

What fraction of the game's goals does Pinewood score?

2/5	5/5	3/5	2/7	5/7