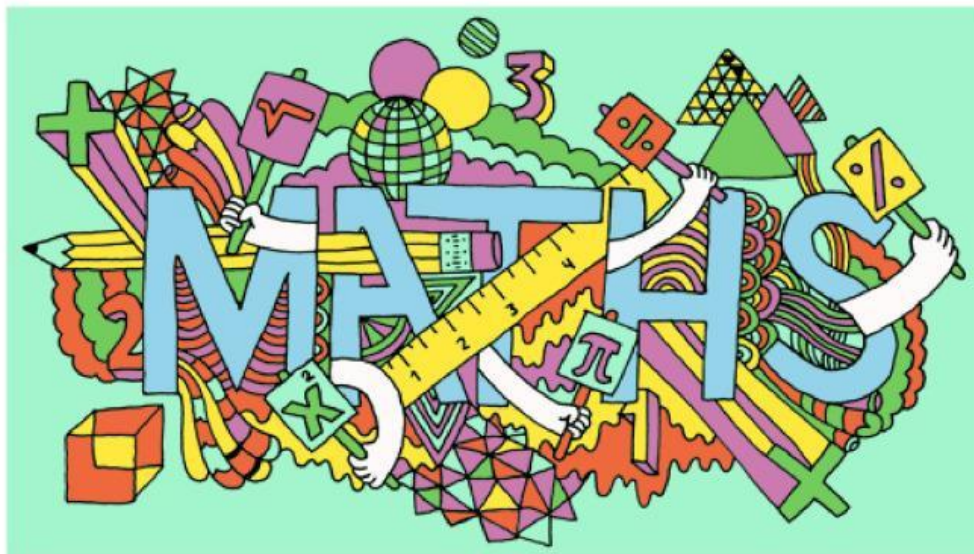




Maths Department

Pre-test Practice Medium **Mk1**

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 654×996 ?

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 568×222 ?

568,003

146,076

146,884

146,702

568,222

Question 6

What is the answer to 231×123 ?

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

2813

283

28,413

248,333

2,231,123

Question 7

What is $850 \div 25$?

31

32

33

34

35

Question 8

What is $1225 \div 25$?

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

$$64 \times 52 = 3328$$

What is 65×52 ?

3340

3350

3360

3370

3380

Question 12

$$41 \times 35 = 1435$$

What is 42×35 ?

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

Beaunesart beats Pinewood by a score of 5 - 2 .
What fraction of the game's goals does Pinewood score?

 $\frac{2}{5}$ $\frac{5}{5}$ $\frac{3}{5}$ $\frac{2}{7}$ $\frac{5}{7}$