

Q5 (Mathematical Understanding) Day 44 Name: _____

1. Look at the statements below. Tick each statement **true** or **false**.

True **False**

All prime numbers are odd.

All multiples of 6 are also multiples of 3.

All multiples of 5 only end in 5.

2. Look at the statements below. Tick each statement **true** or **false**.

True **False**

12,345 is a prime number.

All multiples of 4 are also multiples of 2.

All triangular numbers are odd.

3. Look at the statements below. Tick each statement **true** or **false**.

True **False**

Cubed numbers can also be prime numbers.

The number of factors a square numbers has is always odd.

Triangular numbers follow the pattern: odd, even, odd, even...

4. Look at the statements below. Tick each statement **true** or **false**.

True **False**

The number of factors in even numbers is always even.

The number of factors in odd numbers is always odd.

Square numbers can also be cubed numbers.

5. Look at the statements below. Tick each statement **true** or **false**.

True False

All multiples of 5 are also multiples of 10.

Prime numbers follow the pattern: odd, even, odd, even...

Cubed numbers can also be prime numbers.

6. Look at the statements below. Tick each statement **true** or **false**.

True False

Multiples of 16 are also multiples of 4.

Triangular numbers can also be square numbers below 30.

The factors of 4 are also factors of 40.

7. Look at the statements below. Tick each statement **true** or **false**.

True False

Adding two consecutive square numbers always gives an odd answer.

Adding two consecutive cubed numbers always gives an even answer.

Adding two consecutive prime numbers always give an even answer.

8. Look at the statements below. Tick each statement **true** or **false**.

True False

All multiples of 10 are also multiples of 5.

Adding two consecutive triangular numbers always give an even answer.

The number of factors in prime numbers is always even.

9. Look at the statements below. Tick each statement **true** or **false**.

True False

Square numbers always have an even number of factors.

Cubed numbers always have an even number of factors.

Adding two consecutive prime numbers, after 2, always give an even answer.

10. Look at the statements below. Tick each statement **true** or **false**.

True False

Multiples of 28 are also multiples of 7.

Triangular numbers can also be prime numbers.

The number of factors in a triangular number is always odd.

11. Look at the statements below. Tick each statement **true** or **false**.

True False

Square numbers follow the sequence: +3, +5, +7, +9, +11...

Cubed numbers are always multiples of 2.

Prime numbers can also be square numbers.

12. Look at the statements below. Tick each statement **true** or **false**.

True False

Multiple of 13 are also multiples of 3.

Triangular numbers follow the sequence: +3, +3, +3, +3 ...

The number 72 has 12 factors.

Answers**1. FTF****2. FTF****3. FTF****4. FFT****5. FFF****6. TFT****7. TFF****8. TFT****9. FFT****10. TTF****11. TFF****12. FFT**