**1)** Finish the definitions:

A prime number _____

A composite number _____

**2)** Sort the numbers correctly to show whether they are prime or composite numbers.

3, 6, 7, 9, 13, 15, 18, 27, 33, 41, 61, 81

| Prime | Composite |
|---|---|
| | |

**3)** Find all the prime numbers between 70 and 100 and list them below.

_____

---

**1)** Michael says,

'All prime numbers are odd.'

Do you agree? Explain your thinking.

_____

_____

**2)** What number am I?
Use the clues to find all the possible numbers. You might want to use a hundred square to help you.

I am a prime number less than 100.

I am 1 more than a multiple of 10.
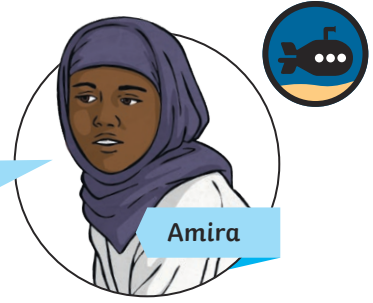
_____

**3)** What number am I?

I am a prime number less than 100.

I am 2 less than a multiple of 5.

_____

**1)** Amira sets a challenge for her friend Marc.

Can you find all the possible numbers she could be thinking of?

I am thinking of a number. It is higher than 20. It is less than 60. It is a prime number. The sum of its digits is an odd number.

Amira

Is Marc correct? Explain your reasoning.

Marc

There are three possibilities.

_____
_____
_____
_____
_____

**2)** Can you arrange the numbers in the circles so that each adjoining pair adds to make a prime number?

2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, 16

**Top Tip:** think about where the odd numbers will need to be placed.

27

1

9

5

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