

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 write them in a list.

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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) Michael says,

'All prime numbers are odd.'



Do you agree? Explain your thinking.

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1) Amira sets a challenge for her friend Marc.



Amira

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.

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

Is Marc correct?
Explain your reasoning.

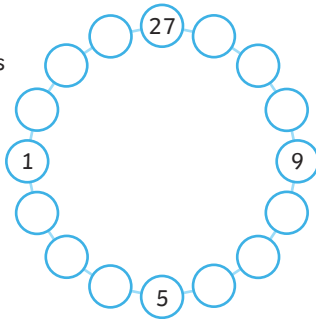


Marc

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.

1) Amira sets a challenge for her friend Marc.



Amira

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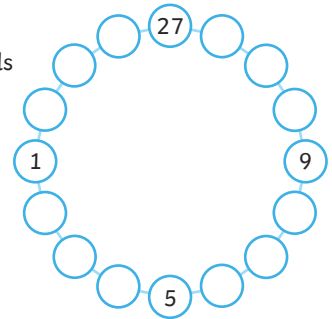


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