

Sets – 1<sup>st</sup> years – Tuesday 02/03/2021

**Question 1**

Match the **Term** with the correct **Description**

| TERM            | DESCRIPTION                                             |
|-----------------|---------------------------------------------------------|
| A set           | A set whose elements CAN be counted                     |
| Elements        | A group of things/objects that have something in common |
| A finite set    | A set whose elements CANNOT be counted                  |
| An infinite set | A set with no elements                                  |
| A null set      | The objects or things in a set                          |

**Question 2**

Is the set *infinite, finite or null*

- i) {3, 5, 7, ...} \_\_\_\_\_
- ii) {1, 2, 3, 4} \_\_\_\_\_
- iii) The days of the week beginning with 'c' \_\_\_\_\_
- iv) {10, 20, 30, ..., 200} \_\_\_\_\_
- v) Babies born on the planet Venus \_\_\_\_\_

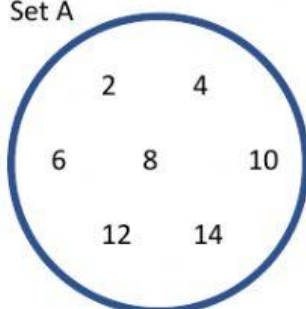
**Question 3**

Set A and Set B are both finite sets.

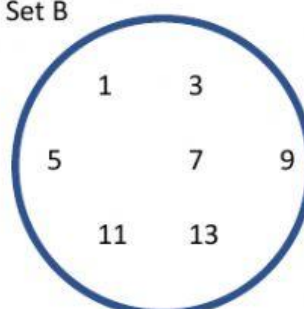
Set A is the set of even numbers greater than 1 and less than 15

Set B is the set of odd numbers greater than 0 and less than 14

Set A



Set B



Fill in numbers to make the statements true

- i) \_\_\_\_\_  $\in$  A
- ii) \_\_\_\_\_  $\notin$  A
- iii) \_\_\_\_\_  $\in$  B
- iv) \_\_\_\_\_  $\notin$  B