

Activity: Union of sets

1) Join with arrows as appropriate

The exercise shows two columns of pairs. Each pair consists of a set label in a box, a large purple 'U' symbol, and a circle containing various items. Arrows point from the set labels to the union sets on the right.

- Pair A: Circle with a red apple, a pineapple, and a banana.
- Pair B: Circle with a blue book and a yellow pencil.
- Pair D: Circle with numbers 1 through 9.
- Pair E: Circle with a cat, a bird, a penguin, and a parrot.
- Pair G: Circle with a lightbulb, a computer monitor, a camera, and a smartphone.
- Pair H: Circle with various national flags.
- Pair M: Circle with two boys.
- Pair N: Circle with two girls.

The union sets on the right are:

- I: Circle with a lightbulb, a computer monitor, a camera, a smartphone, and various national flags.
- Ñ: Circle with two boys and two girls.
- F: Circle with numbers 1 through 9, a cat, a bird, a penguin, and a parrot.
- C: Circle with a pineapple, a banana, a red apple, a blue book, and a yellow pencil.

2) Select the correct answer

$$A = \{1, 2, 3, 4, 5, 6, 7\} \quad U \quad B = \{a, e, i\}$$

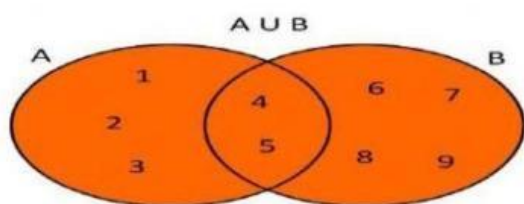
$$a) A \cup B = \{1, 2, 3, 4, 5, 6, 7, a, e, i\} \quad b) A \cup B = \{1, 2, 5, 6, 7, a, e, i\} \quad A \cup B = \{1, 2, 3, 4, 5, 6, e, i\}$$

3) Select the correct answer

$$A = \{\text{do, re, mi, fa, sol}\} \quad U \quad B = \{0, 1, 2, 3\}$$

$$b) A \cup B = \{1, 2, 3, \text{do}\} \quad b) A \cup B = \{a, e, i\} \quad A \cup B = \{\text{do, re, mi, fa, sol, 0, 1, 2, 3}\}$$

4) The union of the following sets



5) Drag and drop as appropriate

