

Write whether the statement is an *INFINITE*, *FINITE*, *EMPTY*, or a *SINGLETON* set.

1. the fingers of your hands

2. The Solar System

3. the 8th day of the week

4. the colors in the rainbow

5. the month of the year with 40 days

6. the star that illuminates the earth

7. natural numbers

8. the color gotten with red and blue

Write the answers according to the union, intersection, and difference of sets.

$$A = \{10, 20, 30, 40\}$$

$$B = \{10, 15, 20, 25\}$$

1. $A \cup B = \{ \square, \square, \square, \square, \square, \square \}$

2. $A \cap B = \{ \square, \square \}$

3. $A - B = \{ \square, \square \}$