

## Reinforcement Worksheet#4

### Topic: Prime Factorization

Q1. Choose the correct option.

- (i) 2 220 is divisible by:  
a) 2                      b) 3                      c) 5                      d) all of these
- (ii) 441 is divisible by:  
a) 3                      b) 5                      c) 9                      d) both a and c
- (iii) In  $4 \times 3 = 12$ , 4 and 3 are the \_\_\_\_ of 12.  
a) Multiples                      b) factors  
c) prime factors                      d) None of these
- (iv)  $3 \times 3 \times 2$  is the prime factorization of:  
a) 18                      b) 81                      c) 6                      d) 9
- (v) Prime factorization of 16 is:  
a)  $2 \times 8$                       b)  $4 \times 4$                       (c)  $2 \times 2 \times 2 \times 2$                       d)  $4 \times 2 \times 2$

**2. Look at the given numbers and fill in the blanks.**

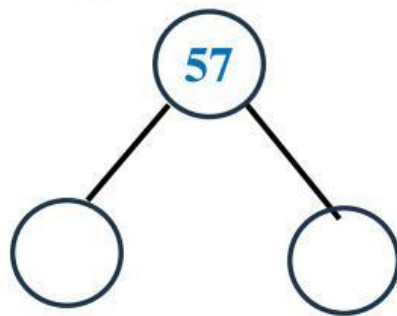
9 945 , 8 754 , 2 450

- (i) The number divisible by 2, 5 and 10 is \_\_\_\_\_
- (ii) \_\_\_\_\_ is divisible by 2, 3 and 6.
- (iii) \_\_\_\_\_ is divisible by 3 and 9.

**Q3. Match the column.**

Column A	Column B
smallest even prime number	0
smallest odd prime number	2
smallest composite number	3
smallest whole number	4

**Q4. Write the missing factors of 57.**



**Q5. Select all the factors of 100 from the numbers given below.**

20	25	30	4
2	15	5	40
45	50	100	1

**Q6 Write the correct numbers to complete the process of prime factorization of 96.**

$$\begin{array}{r|l} 2 & 96 \\ \hline \square & \square \\ \hline 2 & 24 \\ \hline 2 & \square \\ \hline \square & \square \\ \hline & 3 \end{array}$$