

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) 2×8 b) 4×4 (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.

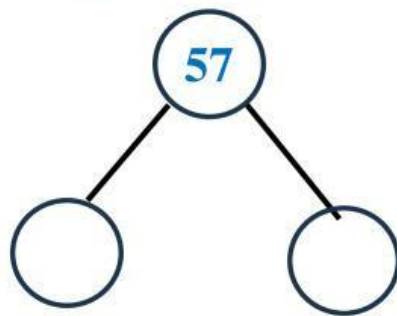
9 945 , 8 754 , 2 450

- (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.

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