

## Multiples and Factors -1

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1. Which of the following is not a multiple of 6?
- a) 6
  - b) 24
  - c) 18
  - d) 32

Answer: (d). 6, 24 and 18 are all divisible by 6 and 32 is not.

2. Which of the following sentences are true? (Mark all the correct answers.)
- a) The multiples of 3 are also multiples of 6
  - b) The multiples of 6 are also multiples of 3
  - c) The multiples of 9 are also multiples of 3
  - d) The multiples of 9 are also multiples of 6

Answer: (b) and (c) are correct. 6 and 9 are multiples of 3 (divisible by 3); therefore their multiples (for example 18) are also divisible by 3. (a) is not correct because 9 is a multiple of 3, but not of 6. (d) is not correct because 27 is a multiple of 9, but not of 6.

3. Which of the following sentences are true? (Mark all the correct answers.)
- a) Every number is a multiple of 1
  - b) Every number is a multiple of itself
  - c) A multiple of a number is smaller than the number
  - d) Odd numbers are multiples of 3

Answer: (a) and (b) are correct. (c) is not correct because multiple of a number is equal to or greater than the number. (d) is not correct because many odd numbers like 5, 7, 11 are not divisible by 3.

4. Consider  $2 \times 3 \times 7 = 42$ . Which of the following sentences are true? (Mark all the correct answers.)
- a) 2, 3 and 7 are multiples of 42
  - b) 2, 3 and 7 are factors of 42
  - c) 42 is a multiple of 2, 3 and 7
  - d) 1 is a multiple of 42

Answer: (b) and (c) are correct.

5. The smallest prime number is: \_\_\_\_

Answer: 2. Remember, 1 is not a prime number.

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6. The highest multiple of a number is:
- The number itself
  - Double of the number
  - 1
  - Cannot say, a very big number

Answer: (d). For example, multiples of 5 are 5, 10, 15, ... it goes on and on. There is no end to it.

7. The highest factor of a number is:
- 1
  - The number itself
  - 0
  - Double of the number

Answer: (b). For example, the highest number that divides 12 (with remainder=0) is 12.

8. How many factors does a prime number (any prime number) have?

Answer: 2 factors – 1 and the number itself. For example, factors of 11 are 1 and 11.

9. The lowest multiple of a number is:
- 1
  - The number itself
  - 0
  - Double of the number

Answer: (b).

10. The lowest factor of a number is:
- 1
  - The number itself
  - 0
  - Half of the number

Answer: (a).

How did you do? If you didn't do well, watch the following videos and try again!

- [What are Multiples?](#)
- [More about Multiples](#)
- [What are Factors?](#)
- [More about Factors](#)