**Name -** **Form -**

**Worksheet 3 – Highest common factors and Lowest common multiples.**

1. Write down all the multiples of 3 between 20 and 40
2. Write down all the multiples of 5 between 19 and 49
3. Write down all the multiples of 7 between 25 and 60
4. Write down all the multiples of 11 between 50 and 100
5. Write down all the multiples of 13 between 25 and 70
6. Which of the following numbers are prime number?

 Circle the answers

2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17

1. What is the highest common factor of 15 and 20?
2. What is the highest common factor of 50 and 75?
3. What is the highest common factor of 45 and 75?

 10. What is the highest common factor of 32 and 48?

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11.Find the lowest common multiples of the following numbers:-

|  |  |
| --- | --- |
| a) 3,5 | b) 2,8 |
| c) 3,7 | d) 5,6 |
| e) 4,5 | f) 2,6 |
| g) 2,3 | h) 3,4 |
| i) 2,5 | j) 3,10 |
| k) 2,7 | l) 2,8 |
| m) 2,9 | n) 4,8 |
| o) 3,9 | p) 5,10 |
| q) 6,12 | r) 7,28 |
| s) 2,15 | t) 3,6 |

12.Find the lowest common multiples of the following set of numbers:-

|  |  |
| --- | --- |
| a) 6,8  | b) 9,12 |
| c) 5,15 | d) 8,24 |
| e) 6,9 | f) 2,9 |
| g) 6,5 | h) 2,15 |
| i) 6,9 | j) 15,25 |
| k) 8,12 | l) 3,9 |
| m) 12,24  | n) 7,3  |
| o) 2,3,4 | p) 3,4,5 |
| q) 4,5,6 | r) 3,5,10  |