

## Math 6

### Multiples

The **multiples** of a number can be found by starting at the number and counting on by that number.

### Examples

**3** 6 9 12 15 18 21 .....

**5** 10 15 20 25 30 .....

If two numbers have same multiples in their list they are know as **common multiples**

5   10   **15**   20   25   30

3   6   9   12   **15**   18

The **least common multiple** is the **first** common multiple of two or more given numbers.

2 4 6 8 10 12 14 16

3 6 9 12 15 18 21

Find the first 5 multiples of 6

6	12	18	24	30	36
	1st	2nd	3rd	4th	5th

Find the common multiples for 2 and 3

2 4 6 8 10 12 14 16 18 20

3 6 9 12 15 18 21

ANSWER

2 4 6 8 10 12 14 16 18 20

3 6 9 12 15 18 21

The common multiples are 6, 12 and 18



Find the least common multiple for 4 and 5

4 8 12 16 20 24 28 32

5 10 15 20 25 30

ANSWER

4 8 12 16 20 24 28 32

5 10 15 20 25 30

Find the **least common multiple** for the number 3, 4 and 5

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3 6 9 12 15 18 21 24 27 30 33  
36 39 42 45 48 51 54 57 60 63 66

4 8 12 16 20 24 28 32 36 40 44 48  
52 56 60 64 68

5 10 15 20 25 30 35 35 40 45 50 55  
60 65 70 75