Divisibility

4|12

12 is divisible by 4.

12 is a multiple of 4.

4 divides 12.

15 is **not divisible** by 4.

12 is **divided** by 4

12 is a **multiple** of 4

1, 2, 3, 4,6... are **divisors** of 12

1, 3, 5 and 15... are **divisors** of 15

1, 3 are **common divisors** of 12 and 15

3 is **the greatest common divisors** of 12 and 15

5, 10, 15 ,20, 25...... are **multiples** of 5

4, 8,16, 20 ,24....... are **multiples** of 4

20, 40 ,60..... are **common multiples** of 4 and 5

20 is the **least common multiples** of 4 and 5

Practice 1.

Read the following conversation

A : I have two numbers, 36 and 42. Can you say their divisors?

B : The divisors of 36 are 1,2,3,4,6,9,12,24, and 36. 1,2,3,6,7,14,21, and 42 are divisors of 42.

A : So, what are their common divisors?

B : They are 1,2,3, and 6.

A : And what is the greatest common divisor of 36 and 42?

B : It‘s 6.