

Multiples Information

- Multiples of a number are the **products** (*answers*) when that number and another number are multiplied.

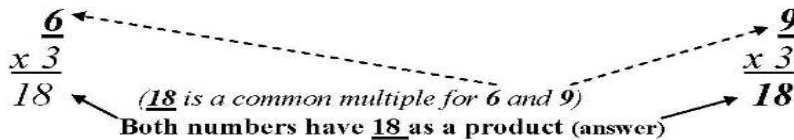
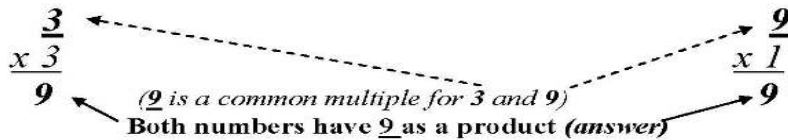
$$2 \times 3 = \underline{6}$$

$$2 \times 4 = \underline{8}$$

$$2 \times 5 = \underline{10}$$

(6, 8, and 10 are **multiples** of 2.)

- Common multiples are **products** (*answers*) that two or more numbers have in common.



- The **Least Common Multiple (LCM)** for a number is the **lowest multiple** (*answer*) that the numbers have in common.

3	3	3	3
$\times 3$	$\times 6$	$\times 9$	$\times 12$
9	18	27	36

9	9	9	9
$\times 1$	$\times 2$	$\times 3$	$\times 4$
9	18	27	36

(9 is the **Least Common Multiple (LCM)** for 3 and 9)