

Factors and multiples

- A.1. 1 is a factor of everyone.
2. 2 is the first even prime number.
3. The smallest multiple of a number is the number itself.
4. 0 is a multiple of every number.
5. Prime numbers are having 2 numbers of factors.
- B.6. Every number is a multiple of 1.
7. Composite numbers are the numbers having more than two factors i.e other than 1 and the number itself.
8. Every composite number can expressed as a product of all its prime factors.
9. Composite numbers are having more than 2 factors.

10. When a particular number is a multiple of 2 or more numbers, it is called a Common multiple

C.L. 18, 36, 54, 72, 90

12.	$\begin{array}{r} 2 \overline{)40} \\ 2 \overline{)20} \\ 2 \overline{)10} \\ 1 \overline{)5} \end{array}$	$\begin{array}{r} 2 \overline{)50} \\ 5 \overline{)25} \\ 1 \overline{)5} \end{array}$	$\begin{array}{r} 2 \overline{)60} \\ 2 \overline{)30} \\ 3 \overline{)15} \\ 1 \overline{)5} \end{array}$
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$$40 = 2 \times 2 \times 2 \times 5$$

$$50 = 2 \times 5 \times 5$$

$$60 = 2 \times 2 \times 3 \times 5$$

$$H.C.F. = 2 \times 5 = 10$$

13. $36 = 1, 2, 3, 4, 6, 9, 12, 18, 36$

13. $36 = 36, 72, 108, 144, 180, 216, 252, 288, 324, 360, 396, 432$

$52 = 52, 104, 156, 208, 260, 312, 364, 416, 468$