
1
2
3
4
5
6
7
8
9
Playing with Numbers

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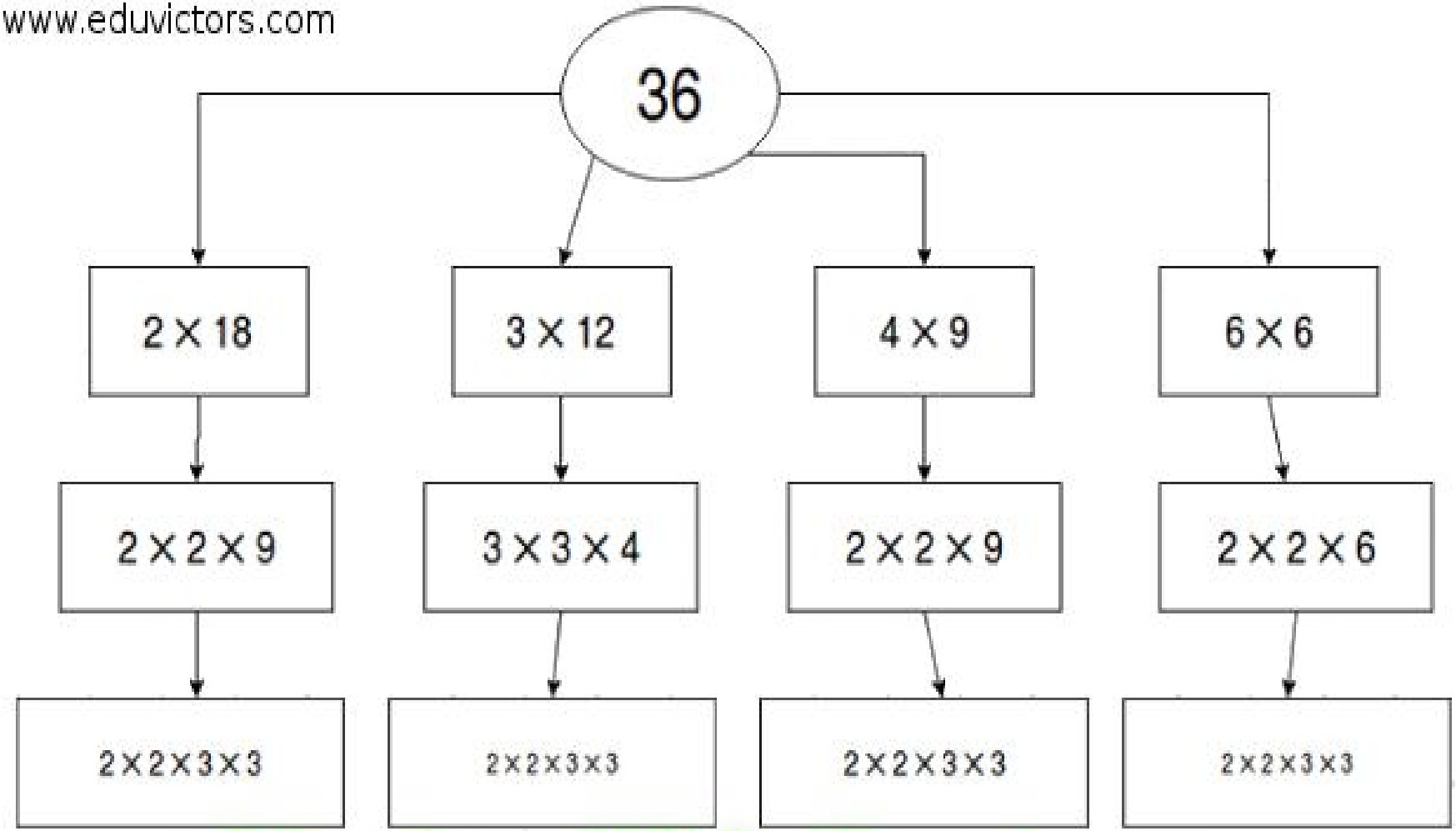
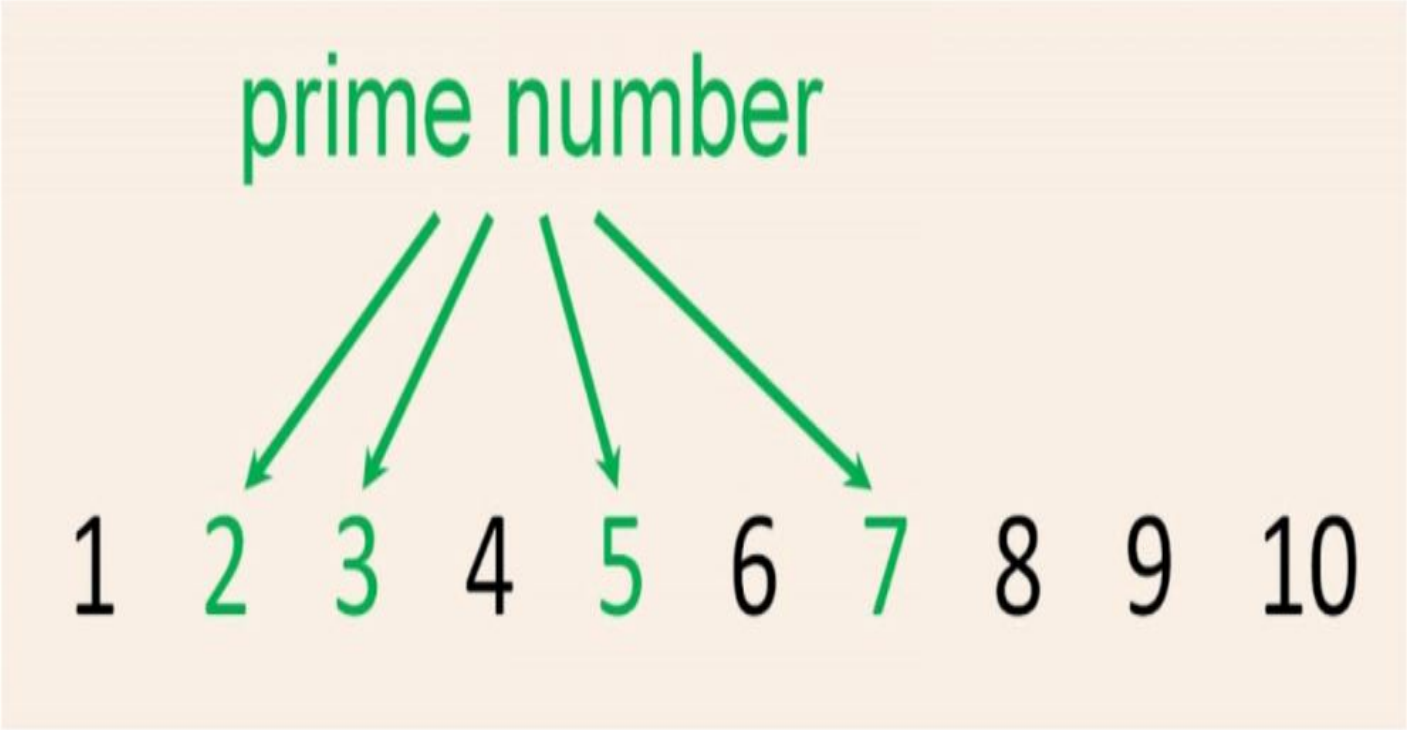


Playing With Numbers (Factors)

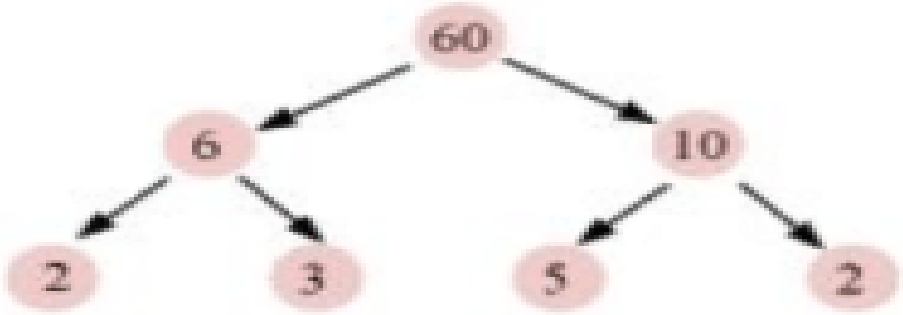
Class 6 Playing With Numbers

Prime Numbers

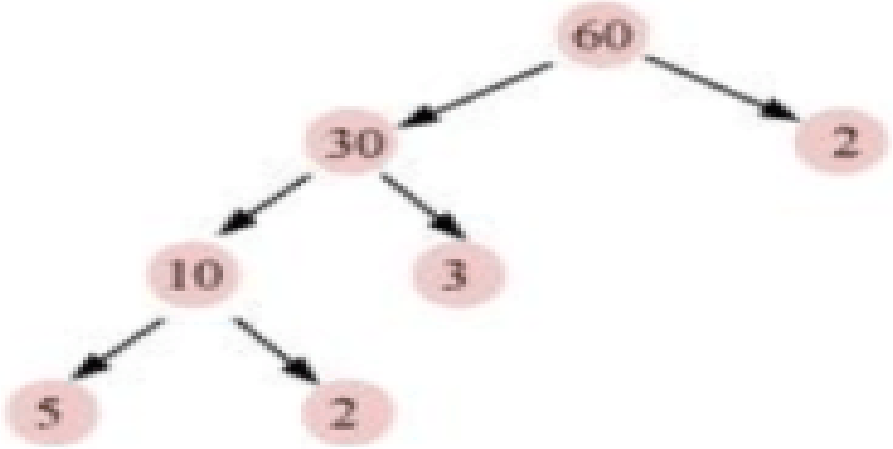


FACTOR TREE

(a) As 6 = 2 × 3 and 10 = 5 × 2



(b) As 60 = 30 × 2, 30 = 10 × 3, and 10 = 5 × 2



Example of H.C.F

- The answers are in **red** below. Did you identify them?

28 and 32

28	32
2	2
2	2
7	2
	2
	2

HCF = 2 x 2 = 4

21 and 42

21	42
3	2
7	3
	7

HCF = 3 x 7 = 21

33 and 110

33	110
3	2
11	5
	11

HCF = 11

HOW TO FIND L.C.M

3	6, 15, 18
2	2, 5, 6
3	1, 5, 3
5	1, 5, 1
	1, 1, 1

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FACTORS OF 12 : 1, 2, 3, 4, 6, 12

FACTORS OF 16 : 1, 2, 4, 8, 16

Common Factors

Q2.Find the value of 'A' & 'B' from the following ?

$$\begin{array}{r} 1\ 2\ A \\ +\ 6\ A\ B \\ \hline A\ 0\ 9 \end{array}$$

(i) 3 & 4 (ii) 5 & 2 (iii) 8 & 1 (iv) 4 & 8

Q3. If the three digit number 24x is divisible by '9' , what is the value of 'x'

(i) 3 (ii) 5 (iii) 8 (iv) 4

Q4. If 21z5 is a multiple of '9' , where 'z' is a digit , find the value of 'z' ?

(i) 2 (ii) 3 (iii) 8 (iv) 1