

Remembering Multiples and Factors

1. Complete the following table and write all the factors of 28.

$1 \times \underline{\hspace{2cm}} = 28$
$\underline{\hspace{2cm}} \times 14 = 28$
$4 \times \underline{\hspace{2cm}} = 28$
$7 \times \underline{\hspace{2cm}} = 28$

2. (a) Match each number with its factors.

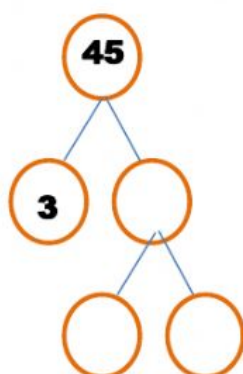
Numbers	Factors
12	1,2,4,5,10,20
16	1,2,3,4,6,12
20	1,2,4,8,16

(b) what is the HCF of 12, 16 and 20: _____

3. Read the following statements and write (T) for True and (F) for False accordingly.

- (a) No number can have '0' as a factor. _____
- (b) 11 and 13 are composite numbers. _____
- (c) The only even prime number is 2. _____
- (d) 39 is the multiple of 8. _____
- (e) The smallest factor that a number can have is 1. _____

4. Complete these factor trees and find the HCF of 45 and 75.



Prime factorization of:

$$45 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$75 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

Product of common factors

$$= \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\text{HCF of 45 \& 75} = \underline{\hspace{1cm}}$$

