

Factors of a Number

Fill in the blanks:

- (a) The factors of 10 are 1, 2, ___ and 10
- (b) The factors of 9 are 1, ___ and 9
- (c) The factors of 8 are 1, 2, 4 and ___
- (d) The factors of 7 are ___ and 7

- (a) 5
- (b) 3
- (c) 8
- (d) 1

- (a) Find all the factors of 15
- (b) Find all the factors of 20
- (c) Find all the factors of 23
- (d) Find all the factors of 25
- (e) Find all the factors of 28

- (a) 1, 3, 5, 15
- (b) 1, 2, 4, 5, 10, 20
- (c) 1, 23
- (d) 1, 5, 25
- (e) 1, 2, 4, 7, 14, 28

- (a) Which of these numbers has exactly four factors : 14, 16 or 18?
- (b) Which of these numbers has factors of both 2 and 5 : 25, 30 or 36?
- (c) Which of these numbers has exactly two factors : 25, 27 or 29?
- (d) Which of these numbers has more than five factors : 24, 25 or 26?

- (a) 14
- (b) 30
- (c) 29
- (d) 24

- (a) Find all the factors of 42 which are also odd numbers.
- (b) Find all the factors of 44 which are also prime numbers.
- (c) Find all the factors of 48 which are also square numbers.
- (d) Find all the factors of 64 which are also cube numbers.

- (a) 1, 3, 7
- (b) 2, 11
- (c) 1, 4, 16
- (d) 1, 8, 64

- (a) Find the number between 1 and 10 which has four factors that sum to 15.
- (b) Find the number between 10 and 20 whose factors sum to 39.
- (c) Find the number between 20 and 30 whose factors sum to twice the value of the number.

- (a) 8
- (b) 18
- (c) 28