

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, 21

(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