

## Averages and Range

Find the range of

- (a) 9, 12, 6, 14, 11, 7
- (b) 5, 3, 9, -4, 2, 1
- (c) 1, 0, 1, 1, 0, 0, 1

- (a) 8
- (b) 13
- (c) 1

Find the mode of

- (a) 9, 5, 6, 1, 6, 3, 2
- (b) 5, 2, 5, 3, 5, 4, 3, 3
- (c) 3, 7, 5, 9, 12

- (a) 6
- (b) 3 and 5
- (c) No mode

Find the median of

- (a) 8, 12, 11, 15, 9
- (b) 6, 1, 9, 8, 11
- (c) 19, 2, 14, 8, 11, 10, 4, 15

- (a) 11
- (b) 8
- (c) 10.5

Find the mean of

- (a) 13, 4, 7
- (b) 4, 10, 15, 8, 5
- (c) 5, -2, 0, 8, 3

- (a) 8
- (b) 8.4
- (c) 2.8

(a) Five integers have a mean of 8. The integers are 7, 3, 10, 13,  $x$ . Find the value of  $x$ .

- (a) 7
- (b) 16 or -1

(b) Six integers have a range of 13. The integers are 5, 9, 7, 12, 3,  $x$ . Find the value of  $x$ .

(a) Four numbers have a mean of 9 and a median of 6. The four numbers are 2, 5,  $a$ ,  $b$ . Find the value of  $a$  and  $b$ .

- (a)  $a=7$   $b=22$

(b) Three integers have a mean of 5 and a range of 10. Find the three integers.

- (b) 1, 3, 11

(a) Three different, positive integers have a mean of 8 and a median of 11. Find the three numbers.

- (a) 1, 11, 12

(b) Four integers have a mode of 5, a mean of 7, and a median of 5.5. Find their values.

- (b) 5, 5, 6, 12