

### **Workout (The mode)**

Question 1:

- (a) 6            (b) 1            (c) 7            (d) 5            (e) 3  
(f) 15           (g) 2.3           (h) -1

Question 2:

- (a) 44  
(b) Size 5

Question 3:

- (a) 1  
(b) 3

Question 3:

- (a) Hockey  
(b) 30  
(c) 7 more

Question 5

- (a) Grade C  
(b) 20  
(c) 18/20 or 9/10

### **Workout (the median)**

Question 1

- (a) 5            (b) 7            (c) 5            (d) 6.5            (e) 6  
(f) 0            (g) 30            (h) 34            (i) 6.6            (j) 139.5

Question 2

- (a) Toto  
(b) Fido

Question 3

- (a) 1.83m  
(b) 1.78m

Question 4: 5, 6, 7, 8, 9      7, 7, 7, 7, 7      6, 6, 7, 9, 100 etc

Question 5: 7, 8, 9, 10, 10, 11, 12, 13      3, 4, 5, 9, 11, 13, 19, 20 etc

Question 6: 3, 4, 5, 6      1, 3, 6, 120 etc

Question 7: -5, -3, -1, 1, 4, 9      -20, -15, -4, 4, 9, 80 etc

### **Workout (the mean)**

Question 1

(a) 7      (b) 6      (c) 2      (d) 5.5      (e) 26.5

(f) 7.2      (g) 1      (h) 2.3

Question 2

(a) mean = 68      (b) mode = 62      (c) median = 67.5

Question 3:

(a) mean = 62.3%

(b) median = 67%

(c) 6 students scored above the mean mark.

Question 4: £180,200

Question 5: 13

Question 6: 9

Question 7: 1

### **Workout (the range)**

Question 1:

(a) 8      (b) 4      (c) 15      (d) 80      (e) 7.3

(f) 5      (g) 14      (h) 8      (i) 31      (j) 28

(k) 23

Question 2: 11

Question 3: 5

Question 4: 3

Question 5: 114

Question 6:

(a) range = 34      (b) median = 21.5

Question 7:

(a) range = 7 degrees                      (b) mean = -2 degrees

### **Apply**

Question 1

(a) mode = 10cm                      (b) median = 8cm

(c) mean = 8cm                      (d) range = 9cm

Question 2: He should use the median

Question 3:

(a) range = 6 kg                      (b) median = 10kg                      (c) mean = 10kg

Question 4:

(a) median = 330ml                      (b) range = 4925ml

Question 5: 5 footballers have a height under 1.85m

Question 6: 8, 10, 10, 10, 12, 16, 18 etc (Adds to 84 with range of 10).

Question 7: 3, 7, 7, 9, 12, 16

Question 8: 17 or 34

Question 9: 9 goals

Question 10: 1 car

Question 11:

(a) median = £7.75                      (b) mean = £11.35

(c) the median is most suitable, as there is an outlier of £50 which brings up the value of the mean.

Question 12: 6, 6, 8, 10, 12, 14

Question 13: The four missing numbers are 7, 7, 10, 11