

Mathematics (Grade – VI)

Topic: Averages

Name: _____

Section: _____

Q1.

Order the values from smallest to largest. Work out their **range**.

a 7, 9, 3, 12, 10

b 8, 3, 15, 6, 2, 12, 6

c 70, 20, 20, 40, 100

d 21, 50, 17

e 250, 150, 400, 300, 350, 250, 200

f 0.7, 0.3, 0.1, 0.9, 0.4

Q2.

Write down the **mode** for each set of data.

a TV, phone, phone, computer, iPad, TV, TV, phone, iPad, phone, iPad, computer, phone

b 4 7 2 2 4 2 7 2 4 7

c 4 7 7 2 4 7 7 2 4 7

d 0.4 0.7 0.2 0.4 0.4 0.7 0.2

e 40 20 40 40 70 20

f 0 20 20 0 0

Q3.

Work out the range and mode for each data set.

a 6cm, 4cm, 8cm, 8cm, 5cm, 4cm, 8cm, 7cm

b 25g, 27g, 20g, 22g, 20g, 23g, 23g, 22g, 26g, 20g

Q4.

Andrew and Barbara decide to investigate their television watching patterns and record the number of minutes that they watch the television for 8 days:

| | | | | | | | | |
|----------|----|----|----|----|-----|-----|-----|----|
| Andrew: | 38 | 10 | 65 | 43 | 125 | 225 | 128 | 40 |
| Barbara: | 25 | 15 | 10 | 65 | 90 | 300 | 254 | 32 |

- a** Find the median number of minutes spent watching television for each of Andrew and Barbara.
- b** Find the mean number of minutes spent watching television for each of Andrew and Barbara.

Q5. A high jump champion made these high jumps in a competition. 189cm, 193cm, 197cm, 200cm, 203cm. Workout the mean height she jumped.

Q6. Write each set of data in order, from smallest to largest. Then find the median.

a) 5m, 2m, 7m, 4m, 4m

b) 17, 12, 16, 15, 15, 18, 11, 16, 12

Q7.

Mr Holland gives his class a test. The results are:

34%, 44%, 75%, 21%, 98%, 86%, 71%, 76%, 63%, 55%

(a) Work out the mean mark

(b) Work out the median mark

(c) How many students scored above the mean mark?

Q8.

Find the mean, median, mode and range of each set of data :

1 1 1 2 3 3 4 4 4 4 5 5

2 3.2 4.8 5.6 5.6 7.3 8.9 9.1

3 1 2 3 4 4 3 2 4 2 3 6 4 0

4 17 23 36 112 18 23 40 23