Multiple choice questions - Data: averages and charts

Year: Year 7 · 10

Question 1 What is the mode of 2, 4, 4, 5, 7, 4, 9?

- ◯ **A.** 4
- ◯ **B.** 5
- ◯ **C.** 9
- ◯ **D.** 7

Question 2 What is the median of 9, 3, 7, 1, 5?

- ◯ **A.** 7
- ◯ **B.** 5
- ◯ **C.** 3
- ◯ **D.** 9

Question 3 What is the mean of 3, 5, 7, 9, 11?

- ◯ **A.** 9
- ◯ **B.** 5
- ◯ **C.** 7
- ◯ **D.** 35

Question 4 What is the range of 14, 3, 22, 9?

- ◯ **A.** 11
- ◯ **B.** 22
- ◯ **C.** 12
- ◯ **D.** 19

Question 5 Median of 2, 6, 8, 10?

- ◯ **A.** 7
- ◯ **B.** 6
- ◯ **C.** 8
- ◯ **D.** 26

Question 6 The mean of 4 numbers is 9. What is their total?

- ◯ **A.** 13
- ◯ **B.** 36
- ◯ **C.** 5

- ◯ **D.** 9

Question 7 Which average is least affected by an outlier?

- ◯ **A.** Mean
- ◯ **B.** Range
- ◯ **C.** Median
- ◯ **D.** Total

Question 8 A pie chart has 80 people. A sector is 90°. How many people?

- ◯ **A.** 90
- ◯ **B.** 40
- ◯ **C.** 8
- ◯ **D.** 20

Question 9 In a frequency table, size 5 has frequency 8 and size 6 has frequency 4. What is the total of these 12 sizes?

- ◯ **A.** 64
- ◯ **B.** 11
- ◯ **C.** 60
- ◯ **D.** 68

Question 10 Which chart best shows parts of a whole?

- ◯ **A.** Bar chart
- ◯ **B.** Pie chart
- ◯ **C.** Pictogram
- ◯ **D.** Tally chart

Answer grid - Data: averages and charts

Year: Year 7

Question	Answer	Explanation
1	**A**	4 appears three times.
2	**B**	In order 1, 3, 5, 7, 9; the middle is 5.
3	**C**	Total 35, divided by 5 is 7.
4	**D**	22 - 3 = 19.
5	**A**	The middle two are 6 and 8; halfway is 7.
6	**B**	4 x 9 = 36.
7	**C**	The median depends only on the middle values.
8	**D**	90/360 = 1/4 of 80 = 20.
9	**A**	5 x 8 + 6 x 4 = 40 + 24 = 64.
10	**B**	A pie chart shows how a whole is split into parts.