Multiple choice questions - Bar charts and time graphs

Year: Year 4 · 10

Question 1 On a bar chart, the tallest bar shows...

- ◯ **A.** the smallest number
- ◯ **B.** the biggest number
- ◯ **C.** the total
- ◯ **D.** the average

Question 2 A bar reaches 8 on a scale going up in 2s. A second bar reaches 12. What is the difference?

- ◯ **A.** 2
- ◯ **B.** 4
- ◯ **C.** 6
- ◯ **D.** 20

Question 3 A time graph is best for showing...

- ◯ **A.** favourite colours
- ◯ **B.** temperature through a day
- ◯ **C.** how many pets each child has
- ◯ **D.** shoe sizes of a class

Question 4 Each square stands for 10. A bar is 4 squares tall. What number does it show?

- ◯ **A.** 4
- ◯ **B.** 14
- ◯ **C.** 40
- ◯ **D.** 400

Question 5 In the fruit chart, how many children chose Grape?

- ◯ **A.** 6
- ◯ **B.** 8
- ◯ **C.** 10
- ◯ **D.** 12

Question 6 A bar ends halfway between 6 and 8. What number is that?

- ◯ **A.** 6

- ◯ **B.** 7
- ◯ **C.** 7.5
- ◯ **D.** 8

Question 7 The bars show 5, 9, 4 and 7. What is the total?

- ◯ **A.** 24
- ◯ **B.** 25
- ◯ **C.** 26
- ◯ **D.** 23

Question 8 What goes along the bottom axis of a time graph?

- ◯ **A.** Temperature
- ◯ **B.** Time
- ◯ **C.** Names of fruits
- ◯ **D.** Bars

Question 9 The temperature is 6 degrees at 08:00 and 14 degrees at 12:00. By how much has it risen?

- ◯ **A.** 6
- ◯ **B.** 8
- ◯ **C.** 10
- ◯ **D.** 20

Question 10 Which is NOT needed when drawing a bar chart?

- ◯ **A.** A title
- ◯ **B.** Labelled axes
- ◯ **C.** Joined points
- ◯ **D.** A scale

Answer grid - Bar charts and time graphs

Year: Year 4

Question	Answer	Explanation
1	**B**	The tallest bar is the greatest value.
2	**B**	12 - 8 = 4.
3	**B**	Time graphs show change over time.
4	**C**	4 x 10 = 40.
5	**C**	The Grape bar reaches 10.
6	**B**	The middle of 6 and 8 is 7.
7	**B**	5 + 9 + 4 + 7 = 25.
8	**B**	Time goes along the bottom.
9	**B**	14 - 6 = 8.
10	**C**	Bars are not joined by a line.