

Max the Monkey's Statistics Safari

Learning objective: To interpret and present data using pictograms, bar charts, and tables, and to solve one-step and two-step problems using information presented in scaled bar charts and pictograms.

Help Max the Monkey organise his fruit collection! Read the questions carefully and use your maths skills to complete the quiz.

Answer Key: 1. B, 2. True, 3. Tally, 4. 10, 5. C, 6. False, 7. 5, 8. A, 9. 25, 10. Bar Chart. Max says: Well done, maths superstar!

Word bank: Pictogram · Bar Chart · Data · Tally · Scale · Frequency

1. Max has 4 apples, 8 bananas, and 2 oranges. If one symbol on a pictogram represents 2 pieces of fruit, how many symbols are needed for the bananas? A) 2, B) 4*, C) 8, D) 16 (1 mark)

2. True or False: A tally chart is a good way to record data quickly while counting items. (1 mark)

3. What do we call the mark used to show a group of five in a tally chart? (One-word answer) (1 mark)

4. If a bar chart has a scale going up in 2s (0, 2, 4, 6...), what number is halfway between 8 and 12? (1 mark)

5. Max buys 3 pears for £1 each and 2 peaches for £1 each. What is the total cost? A) £2, B) £4, C) £5*, D) £6 (1 mark)

6. True or False: You can always tell exactly how many items are in a set by looking at a bar chart without a numbered axis. (1 mark)

7. If 15 monkeys like bananas and 10 monkeys like mangoes, how many more monkeys like bananas? (One-word answer) (1 mark)

8. Which chart uses pictures to represent data? A) Pictogram*, B) Number line, C) Ruler, D) Clock (1 mark)

9. Max collects 10 stickers on Monday, 5 on Tuesday, and 10 on Wednesday. How many stickers does he have in total? (1 mark)

10. What type of chart uses rectangular bars to show the value of different categories? (Two-word answer) (1 mark)

Draw: Draw a simple pictogram for Max the Monkey showing 3 coconuts, where one circle symbol represents one coconut.



Extension challenge: Max has £10. He buys a basket of fruit for £4.50. How much change does he get? Show your working out!