Max the Monkey’s Statistics Adventure

Learning objective: To interpret and construct simple pictograms, tally charts, and block diagrams.

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

Answer Key: 1. A (5), 2. True, 3. 4, 4. B (8), 5. False, 6. Tally chart, 7. C (10), 8. True, 9. 3, 10. B (5).

Word bank: Tally chart · Pictogram · Block diagram · Total · Difference · Data

1. Max has a tally chart of berries. If one tally mark represents one berry, how many berries are shown by this tally: ||||? A) 3, B) 4, C) 5*, D) 6 (1 mark)

2. True or False: A pictogram uses pictures to represent data. (1 mark)

3. In a block diagram, if a bar for 'Apples' reaches the number 4, how many apples are there? (1 mark)

4. Zara the Zebra counts 5 bananas and 3 oranges. How many pieces of fruit does she have in total? A) 7, B) 8*, C) 9, D) 10 (1 mark)

5. True or False: A tally chart is the best way to show a picture of a monkey. (1 mark)

6. What is the name of the table that uses groups of five lines (four vertical and one diagonal) to count items? (1 mark)

7. If a key on a pictogram says one 'star' picture equals 2 points, how many points are 5 stars? A) 5, B) 7, C) 10*, D) 12 (1 mark)

8. True or False: You can use statistics to find out which fruit is the most popular in the class. (1 mark)

9. Max has 8 pineapples and 5 coconuts. What is the difference between the amount of pineapples and coconuts? (1 mark)

10. Looking at a block diagram, which bar is the tallest? A) The one with the lowest number, B) The one with the highest number* (1 mark)

Draw: Draw a simple pictogram showing 3 bananas (represented by a banana shape) and 2 apples (represented by an apple shape). Create a key at the bottom that says '1 picture = 1 fruit'.

Extension challenge: Ask five friends what their favourite colour is. Create your own tally chart to record their answers and then draw a block diagram to show the results!