

# 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)**

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

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

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**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)**

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

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

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**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)**

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

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

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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!*