

Data Science for Little Explorers

Data Science · Answer Key · 15 Questions

1. What do we call a drawing that uses bars to show how many items of different types there are?

- A) A circle graph
- B) A bar chart**
- C) A line maze
- D) A square picture

2. If you count 5 red apples and 3 green apples, what is this set of numbers called?

- A) A story
- B) A riddle
- C) A dataset**
- D) A drawing

3. Which tool helps a computer learn to tell the difference between a picture of a cat and a dog?

- A) A magnifying glass
- B) An algorithm**
- C) A crayon
- D) A ruler

4. When we look for things that happen over and over again, what are we looking for?

- A) Patterns**
- B) Magic
- C) Noise
- D) Dreams

5. What do we call a person who uses computers to solve problems with numbers and facts?

- A) A gardener
- B) A data scientist**
- C) A baker
- D) A painter

6. If you want to know which ice cream flavor is the favorite in your class, what should you do first?

- A) Eat all the ice cream
- B) Guess the answer
- C) Ask everyone and record their answer**
- D) Close your eyes

7. Which of these is a way to represent a large amount of information using a picture?

- A) A blank paper
- B) A data visualization**
- C) A heavy rock
- D) A quiet room

8. What is the first step in science when we look at information to understand it?

- A) Sorting**
- B) Sleeping
- C) Running
- D) Singing

9. If a computer makes a guess based on the information it has been given, what is that guess called?

- A) A song
- B) A prediction**
- C) A wish
- D) A game

10. What do we use to keep information safe and organized on a computer?

- A) A box
- B) A database**
- C) A cloud
- D) A hole

11. Which of these is considered 'raw' information before it is organized?

- A) A finished book
- B) A list of numbers**
- C) A completed puzzle
- D) A painted wall

12. If you have 10 toys and you put them into groups by color, what have you just done to the data?

- A) Destroyed it
- B) Categorized it**
- C) Lost it
- D) Hidden it

13. What is the purpose of collecting data about the weather every day?

A) To make it rain

B) To understand weather patterns

C) To change the sun

D) To hide the clouds

14. Which object would best help you measure the weight of different items to record data?

A) A calendar

B) A scale

C) A thermometer

D) A watch

15. What do we call a set of clear instructions given to a computer to complete a task?

A) A recipe

B) A code

C) A poem

D) A joke