

Kit's Clever Computing Quiz

Learning objective: To understand the basic concepts of programming, including algorithms, sequences, and debugging.

Hello! I am Kit the fox. I love solving puzzles with code. Read each question carefully. Use the word bank to help you spell the tricky words. You can do it!

Answer Key: 1. A (Algorithm), 2. True, 3. Debug, 4. B (Sequence), 5. True, 6. Input, 7. B (To tell a computer what to do), 8. False, 9. A (True), 10. Code.

Word bank: Algorithm · Sequence · Debug · Input · Code · Instructions

1. 1. What do we call a set of steps to complete a task? A) Algorithm* B) Lunch C) Game D) Nap (1 mark)

2. 2. True or False: Computers need clear instructions to work. (1 mark)

3. 3. What is the word for fixing a mistake in your code? (Hint: It starts with D) (1 mark)

4. 4. What is the order of steps in a program called? A) A mess B) Sequence* C) A jump D) A song (1 mark)

5. 5. True or False: If the order of steps is wrong, the program might not work. (1 mark)

6. 6. When you press a button on a keyboard, what is this called? (Starts with I) (1 mark)

7. 7. Why do we write computer programs? A) To sleep B) To tell a computer what to do* C) To eat D) To run (1 mark)

8. 8. True or False: A computer can think for itself without any code. (1 mark)

9. 9. True or False: An algorithm must be in the right order to be successful. (1 mark)

10. 10. What is the special language used to talk to a computer? (Starts with C) (1 mark)

Draw: Draw a picture of a robot following an algorithm to make a cup of tea. Show the robot doing one step at a time.



Extension challenge: Can you write a 3-step algorithm for how to brush your teeth? Remember to put them in the right order!