

Kit's Clever Debugging Quiz

Learning objective: To understand what a bug is in computing and how to find and fix errors in a sequence of instructions.

Hello! I am Kit the fox. I love fixing puzzles and code. Read each question carefully. Use the word bank at the bottom if you get stuck. Good luck!

Answer Key: 1. A, 2. True, 3. Debugging, 4. B, 5. True, 6. Bug, 7. A, 8. False, 9. Fix, 10. True.

Word bank: Bug · Debugging · Code · Sequence · Error · Fix

1. 1. What do we call a mistake in a computer program? A) A bug* B) A cat C) A tree D) A dance (1 mark)

2. 2. True or False: Finding and fixing mistakes is called debugging. (1 mark)

3. 3. What is the name for the process of looking for errors in code? (1 word) (1 mark)

4. 4. If a robot does not move correctly, it might have a: A) Nap B) Bug* C) Snack D) Toy (1 mark)

5. 5. True or False: Computers follow instructions in a sequence. (1 mark)

6. 6. Fill in the blank: A computer _____ is a small error that stops the program from working. (1 mark)

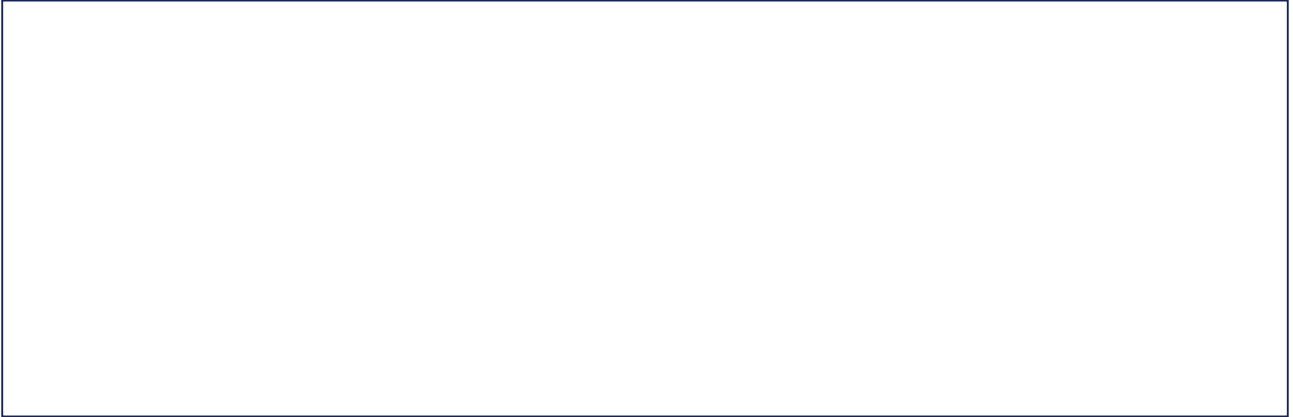
7. 7. When you find a mistake, what do you need to do? A) Fix it* B) Ignore it C) Hide it D) Shout at it (1 mark)

8. 8. True or False: Debugging is only for robots, not for computer games. (1 mark)

9. 9. If your code is broken, you must _____ the error. (1 mark)

10. 10. True or False: Debugging helps your program work the right way. (1 mark)

Draw: Draw a picture of Kit the fox holding a magnifying glass, looking at a computer screen to find a small 'bug' character.



Extension challenge: Write down one instruction you would give to a robot to make a cup of tea. If the robot put the tea bag in the fridge, how would you debug that instruction?