

Design Technology - Grade 5 Project Review Questions

Q1. What do you call the five stages used to complete the project?



- a. Programming skills
- b. Project requirement
- c. Systems development lifecycle
- d. Microcontroller

Q2. What did you create in your project using the microcontroller?



- a. A calculator



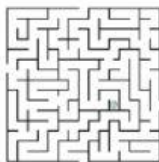
- b. A compass



- c. A flag



- d. A puzzle



Q3. What did you use to output the answers?

- a. Pin pads
- b. LED grid
- c. NeoPixels
- d. Power pad

Q4. What did you use to store the results?

- a. Variable
- b. Constant
- c. Name
- d. Input

Q5. Which block-based language did you use?



- a. Scratch



- b. Python



- c. Ardublockly



- d. Arduino

Q6. Which one outputs a beep to feedback the user? (2 marks)

- a. A buzzer
- b. LED grid
- c. Lights
- d. Pin pads

Q7. What is the value of the answer variable at the start of the program? (2 marks)

- a. 2
- b. 5
- c. 0
- d. 1

Q8. Which kind of microcontroller did you use? (2 marks)

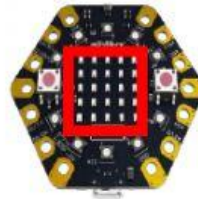
- a. Arduino Leonardo
- b. Arduino UNO
- c. Maker
- d. Arduino Mega

Q9. Which pin pad number will output the answer and play the buzzer?

- a. D10
- b. D2
- c. D3
- d. D6

Q10. What does the picture show? (2 marks)

- a. Pin pads
- b. LED grid
- c. Accelerometer
- d. Push button



Q11. What is the data entered in a system by a user? (2 marks)

- a. Input
- b. Output
- c. LED
- d. Code

Q12. Which stage do you check a product, program or system meets the requirements? (2 marks)

- a. Programming
- b. Project brief
- c. Testing
- d. Self-reflection

Q13. Which stage do you look back at how you worked during a project? (1 mark)



- a. Programming
- b. Project brief
- c. Planning
- d. Self-reflection