

## RGB LED's pop up test

### 1. What does RGB stand for?

- A. Red, Green, Black
- B. Red, Green, Blue
- C. Red, Grey, Blue
- D. Red, Green, Brightness

### 2. What happens when you set the brightness of an LED to 125?

- A. The LED turns off.
- B. The LED becomes dimmer.
- C. The LED becomes brighter.
- D. The LED flashes.

### 3. What colour is displayed if R = 255, G = 0, and B = 0?

- A. Blue
- B. Green
- C. Red
- D. Purple

### 4. Which block is used to control the brightness of an LED?

- A. Set RGBled
- B. LED brightness
- C. On start
- D. Car stop

### 5. What happens when the RGB LED is set to black?

- A. The LED displays a dim light.
- B. The LED displays a white light.
- C. The LED does not turn on.
- D. The LED flashes intermittently.

**6. What would the colour be if R = 124, G = 34, and B = 0?**

- A. Dark red
- B. Light green
- C. Blue
- D. White

**7. What is the maximum brightness value that can be set for an LED?**

- A. 100
- B. 200
- C. 255
- D. 500

**8. Which block allows you to set specific RGB values for the LED?**

- LED brightness
- Set RGB Led
- On start
- Play tone

**9. What colour does the RGB LED display when R = 255, G = 0, and B = 255?**

- White
- Blue
- Purple
- Green

**10. What colour combination would you use to make a police siren light?**

- A. Blue and Red
- B. Green and Blue
- C. Purple and Red
- D. White and Red