

Art & Design Basics

Art & Design Basics · Answer Key · 12 Questions

1. Which three colors make up the primary additive color model used in digital display screens?

- A) Red, Yellow, Blue
- B) Cyan, Magenta, Yellow
- C) Red, Green, Blue**
- D) Orange, Green, Violet

2. What optical device splits white light into a rainbow spectrum by refracting different wavelengths?

- A) Glass prism**
- B) Convex mirror
- C) Flat lens
- D) Polarizing filter

3. Which photoreceptor cells in the human eye are responsible for sensing color?

- A) Rods
- B) Cones**
- C) Nerves
- D) Corneal cells

4. What color is produced when equal intensities of red, green, and blue light are combined?

- A) Black light
- B) White light**
- C) Brown light
- D) Grey light

5. Which mathematical ratio, approximately equal to 1.618, is frequently used in visual design to create balanced proportions?

- A) Euler's number
- B) Pi
- C) The Golden Ratio**
- D) Silver Ratio

6. In formal color theory, which term specifically refers to the lightness or darkness of a color?

- A) Hue
- B) Saturation
- C) Value**
- D) Chroma

7. Which colors are located directly opposite each other on a traditional color wheel?

- A) Analogous colors
- B) Monochromatic colors
- C) Complementary colors**
- D) Secondary colors

8. Compared to blue light, how does red light compare on the visible light spectrum?

- A) It has a longer wavelength**
- B) It has a shorter wavelength
- C) It has an identical wavelength
- D) It has no measurable wavelength

9. What subtractive primary color model is standard in physical ink printing?

- A) RGB
- B) CMYK**
- C) HSV
- D) LAB

10. In typography, what is the term for adjusting the spacing between two specific individual characters?

- A) Leading
- B) Tracking
- C) Kerning**
- D) Alignment

11. Staring continuously at a red shape fatigues the eye's red cone cells, leaving an afterimage of which complementary color?

- A) Yellow
- B) Cyan**
- C) Magenta
- D) Black

12. Which type of visual balance occurs when design elements are mirrored identically across a central axis?

A) Asymmetry

B) Symmetrical balance

C) Radial balance

D) Contrast