Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class \_\_\_\_\_\_

**Resistors Exam KEY**

Mark the best answer to each question.

1. The resistor color code is used to express the value of all types of resistors.
2. True
3. False
4. In the resistor color code, black represents the number \_\_\_\_\_\_\_.
5. 0
6. 3
7. 2
8. In the resistor color code, red represents the number \_\_\_\_\_\_\_.
9. 0
10. 1
11. 2
12. In the resistor color code, orange represents the number \_\_\_\_\_\_\_.
13. 0
14. 3
15. 2
16. In the resistor color code, brown represents the number \_\_\_\_\_\_\_.
17. 0
18. 1
19. 2

|  |  |  |
| --- | --- | --- |
| 6. | Decode the resistor. | Brown, Black, Brown, Gold |
|  | Value 100Ω |  |
|  | Tolerance 5% |  |
| 7. | Decode the resistor. | Red, Red, Brown, Silver |
|  | Value 220Ω |  |
|  | Tolerance 10% |  |
| 8. | Decode the resistor. | Yellow, Violet, Red |
|  | Value 4.7kΩ or 4,700Ω |  |
|  | Tolerance 20% |  |
| 9. | Decode the resistor. | Orange, Orange, Orange, Gold |
|  | Value 33kΩ or 33,000Ω |  |
|  | Tolerance 5% |  |
| 10. | Decode the resistor. | . Brown, Red, Yellow, Gold |
|  | Value 120kΩ or 120,000Ω |  |
|  | Tolerance 5% |  |