

Resistor values

Fill in the missing values.

0	1	2	3	4	5	6	7	8	9
Black			Orange	Yellow			Violet		

Give the value of each color as if it was the first or second color band.

- | | | | | | |
|----------|-----------------------------|------------|-----------------------------|------------|-----------------------------|
| 1. Black | <u>0</u> | 9. Brown | <u>1</u> | 17. Red | <u>2</u> |
| 2. Brown | <u> </u> | 11. White | <u> </u> | 18. White | <u> </u> |
| 3. Brown | <u> </u> | 11. Green | <u> </u> | 19. Green | <u> </u> |
| 4. Green | <u> </u> | 12. Orange | <u> </u> | 20. Red | <u> </u> |
| 5. Brown | <u> </u> | 13. Green | <u> </u> | 21. Yellow | <u> </u> |
| 6. Black | <u> </u> | 14. Yellow | <u> </u> | 22. Green | <u> </u> |
| 7. White | <u> </u> | 15. Red | <u> </u> | 23. White | <u> </u> |
| 8. Red | <u> </u> | 16. Black | <u> </u> | 24. Red | <u> </u> |

Write the number of zeros each color would represent if it was the third color band.

(Write "None" is no the color represents no zeros.)

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|-----------|-----------------------------|------------|-----------------------------|------------|-----------------------------|
| 25. Red | <u>00</u> | 33. Brown | <u>0</u> | 41. Black | <u>NONE</u> |
| 26. Brown | <u> </u> | 34. White | <u> </u> | 42. White | <u> </u> |
| 27. Brown | <u> </u> | 35. Green | <u> </u> | 43. Green | <u> </u> |
| 28. Green | <u> </u> | 36. Orange | <u> </u> | 44. Red | <u> </u> |
| 29. Brown | <u> </u> | 37. Green | <u> </u> | 45. Yellow | <u> </u> |
| 30. Black | <u> </u> | 38. Yellow | <u> </u> | 46. Green | <u> </u> |
| 31. White | <u> </u> | 39. Red | <u> </u> | 47. White | <u> </u> |
| 32. Red | <u> </u> | 40. Black | <u> </u> | 48. Red | <u> </u> |

Give the value of the resistor with the following color bands.

- | | 1 st | 2 nd | 3 rd | 4 th | Value | | 1 st | 2 nd | 3 rd | 4 th | Value |
|----|-----------------|-----------------|-----------------|-----------------|-----------------------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------------------|
| 1. | Red | Red | Red | Gold | <u>2200</u> | 9. | Brown | Black | Red | Gold | <u>1000</u> |
| 2. | Black | White | Red | Gold | <u> </u> | 11. | White | Brown | Red | Gold | <u> </u> |
| 3. | Black | Green | Red | Gold | <u> </u> | 12. | Green | Brown | Red | Gold | <u> </u> |
| 4. | Black | Red | Blue | Silver | <u> </u> | 13. | Orange | Green | Red | Silver | <u> </u> |
| 5. | Brown | Green | Orange | Gold | <u> </u> | 14. | Green | Brown | Red | Gold | <u> </u> |
| 6. | Red | Green | Green | Silver | <u> </u> | 15. | Green | Black | Black | Silver | <u> </u> |
| 7. | Black | White | Orange | Gold | <u> </u> | 16. | Red | White | Black | Gold | <u> </u> |
| 8. | Orange | Red | Green | Silver | <u> </u> | 17. | Black | Red | Black | Silver | <u> </u> |