

Identifying Resistors Exercises

For each Resistor, determine the resistance value from the coloured bands shown:

Question 1



Resistance = ?

Question 2



Resistance = ?

Question 3



Resistance = ?

Question 4



Resistance = ?

Question 5



Resistance = ?

Question 6



Resistance = ?

Question 7



Resistance = ?

Question 8



Resistance = ?

Question 9



Resistance = ?

Question 10

For the two power resistors shown, determine the resistance and tolerance



White Resistor

Resistance = ?

Tolerance = ?

Gold Resistor

Resistance = ?

Tolerance = ?

Question 11

What coloured bands would be shown on a resistor with a value of $100\ \Omega \pm 10\%$?

Band 1 colour:

Band 2 colour:

Band 3 colour:

Band 4 colour:

Question 12

What coloured bands would be shown on a resistor with a value of $47\ \Omega \pm 5\%$?

Band 1 colour:

Band 2 colour:

Band 3 colour:

Band 4 colour:

Question 13

What coloured bands would be shown on a resistor with a value of $1.2\ \Omega \pm 10\%$?

Band 1 colour:

Band 2 colour:

Band 3 colour:

Band 4 colour:

Question 14

What coloured bands would be shown on a resistor with a value of $10\text{k}\ \Omega \pm 5\%$?

Band 1 colour:

Band 2 colour:

Band 3 colour:

Band 4 colour: