

Name: _____ Grade: ____ Block: ____ Date: _____, 200__

RESISTOR VALUES

1. Use pencil crayon to complete the colour code for the resistor values.

	Colour	1 st	2 nd	Multiplier	Tolerance
	Black		0	10^0	
	Brown	1	1	10^1	
	Red	2	2	10^2	
	Orange	3	3	10^3	
	Yellow	4	4	10^4	
	Green	5	5	10^5	
	Blue	6	6	10^6	
	Violet	7	7	10^7	
	Grey	8	8	10^8	
	White	9	9	10^9	
	Gold			10^{-1}	5%
	Silver			10^{-2}	10%
	– none –				20%
		Band 1	Band 2	Band 3	Band 4

2. Draw a resistor. Use leaders to label each band.

3. Find the value of resistors with these colours.

				Value
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

4. What is the range of a resistor with this value? $140 \pm 5\% \Omega$