Design and Technology

The resistor colour code

Colour	Band 1	Band 2	Band 3
Black	0	0	None
Brown	1	1	0
Red	2	2	00
Orange	3	3	000
Yellow	4	4	0000
Green	5	5	00000
Blue	6	6	000000
Violet	7	7	0000000
Grey	8	8	
White	9	9	

Exercise 1

Using the colour chart above calculate the value of the following resistors:

1. Yellow, Violet, Black, Gold. _____
2. Orange, Orange, Brown, Gold. _____
3. Brown, Black, Red, Gold. _____
4. Blue, Grey, Red, Gold. _____
5. Red, Violet, Orange, Gold. _____
6. Brown, Black, Yellow, Gold _____
7. Brown, Black, Green, Gold _____
8. Brown, Black, Orange, Gold _____
9. Yellow, Violet, Yellow, Gold _____
10. Red, Red, Black, Gold _____

Exercise 2

Indicate the correct colour band sequence for the following resistors:

1. 10R _____
2. 220R _____
3. 4K7 _____
4. 12K _____
5. 68K _____
6. 180K _____
7. 56R _____
8. 390R _____
9. 910R _____
10. 2M2 _____

DT Group **Name**