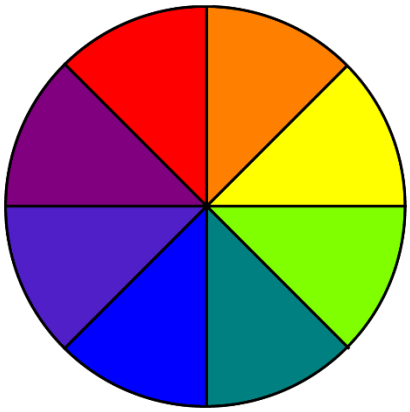
Percentages (Part 2)



What is your favourite colour?

Most of the time when we buy some new gadget or clothes, we choose them in our favourite colour.
Investigate this using percentages.

Task

1. Count your summer t-shirts.
2. Sort them according to colour.
   E.g.: *white, black, red, blue, yellow, green, purple, orange, pink, multicolour etc. (use colour criteria accordingly)*
3. Count shirts in each set.
4. Keep a record.
5. **What percentage of your t-shirts are red, blue, black …?**

E.g.
I have 24 t-shirts.
6 are red, 5 are blue, 3 are yellow, 8 are white, 1 is black and 1 is orange.

1 out of 24 are black (same as orange).
$\frac{1}{24}$ = (1 ÷ 24 = **0·041**6666667) use calculator and take the first three decimal places
Take the first 3 decimal places and round it to the nearest tenth (2 decimal places).
0·04 is 4 %.

3 out of 24 are yellow.

$\frac{3}{24} = \frac{1}{8}$ = (1 ÷ 8 = 0·125) use calculator

Round to the nearest tenth (2 decimal places).

13% are yellow.

8 out of 24 are white.

$\frac{8}{24} = \frac{1}{3}$ = (1 ÷ 3 = **0·333**3333333) use of calculator

Take the first 3 decimal places and round to the nearest tenth.

0·33 is 33 %.

5 out of 24 are blue.

$\frac{5}{24}$ = (5 ÷ 24 = 0·208) use of calculator

Round to the nearest tenth.

0.21 is 21 %.

6 out of 24 are red.

$\frac{6}{24} = \frac{1}{4} = \frac{25}{100}$ = 25 % are red changed fraction to denominator 100

Therefore;

25 % are red.

21 % are blue.

13 % are yellow.

33% are white.

4 % are orange.

4 % are black.

} 100 %