

WORKING WITH PERCENTS, FRACTIONS, DECIMALS

To change a percent to a decimal, divide by 100.

For example: $25\% = \frac{25\%}{100\%} = 0.25$

Try these:

- a) 35% b) 57% c) 110% d) 4%
-

To change a decimal to a percent multiply by 100 and add the % sign.

For example: $0.34 = 0.34 \times 100 = 34\%$

Try these:

- a) 0.25 b) 0.76 c) 1.25 d) 0.05
-

To change a fraction to a decimal, divide the top by the bottom.

For example: $\frac{3}{4} = 0.75$

Try these:

- a) $\frac{8}{10}$ b) $\frac{4}{7}$ c) $\frac{1}{2}$ d) $\frac{9}{15}$
-

To change a fraction to a percent, divide the top by the bottom and multiply by 100.

For example: $\frac{3}{4} = 0.75 \times 100 = 75\%$

Change all the fraction in the previous section to percents.

- a) $\frac{8}{10}$ b) $\frac{4}{7}$ c) $\frac{1}{2}$ d) $\frac{9}{15}$
-

To find the percent of a number, change the % to a decimal and multiply by the number.

For example: $38\% \text{ of } 26 = \frac{38\%}{100\%} \times 26 = 0.38 \times 26 = 9.88$

Try these:

- a) 45% of 92 b) 75% of 250 c) 50% of 125
- d) 110% of 340 e) 8% of 52 000 f) 0.25% of 1800