What is $\frac{2}{3}$ as a percentage?
Give your answer rounded to 2 decimal places.

$$\begin{array}{r} 0.6\ 6\ 6\ 6 \\ 3\overline{\smash{)}2.{}^20\ {}^20\ {}^20\ {}^20} \end{array}$$

$$\frac{2}{3} = 2 \div 3 = 0.6666\ldots. = 66.66666\ldots\% = 66.67\%$$

$$= 66.67\%$$

Write 9% as a decimal.

0.09

Write 0.6% as a decimal.

0.006

Write 2.5% as a decimal.

0.025

Arrange the following numbers into decreasing order.

$$\frac{1}{5} \qquad 0.05 \qquad \frac{23}{50} \qquad 0.15$$

Change to decimals

$$0.2 \qquad 0.05 \qquad 0.46 \qquad 0.15$$

Reorder:

0.46   0.2   0.15   0.05

Arrange the following numbers into increasing order.

$$\frac{299}{32} \qquad 711.12\% \qquad 10\frac{7}{8} \qquad \frac{297}{27} \qquad 11\frac{31}{32}$$

Change to decimals

9.34375   7.1113   10.875   11   11.96875

Reorder:

7.1113   9.34375   10.875   11   11.96875

$$711.12\% \qquad \frac{299}{32} \qquad 10\frac{7}{8} \qquad \frac{297}{27} \qquad 11\frac{31}{32}$$
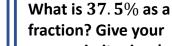

An exam has a pass mark of 60%. Ben gets $\frac{5}{8}$ of the marks correct. Did he pass the exam?

$$\frac{5}{8} = 0.625$$

$$60\% = 0.6$$

$\frac{5}{8}$ is bigger than 60% so Ben did pass.

Convert $\frac{22}{110}$ to a decimal.

$$\frac{22}{110} = \frac{2}{10} = 0.2$$

$$= 0.2$$

What is 37.5% as a fraction? Give your answer in its simplest form.

$$37.5\% = \frac{37.5}{100}$$

$$= \frac{75}{200}$$

$$= \frac{15}{40}$$

$$= \frac{3}{8}$$

$$= \frac{3}{8}$$