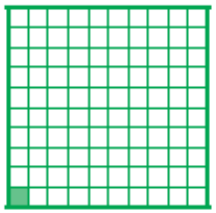
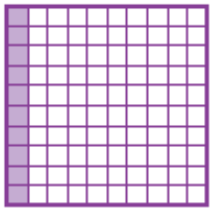
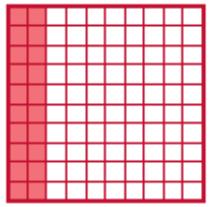
Equivalent Values



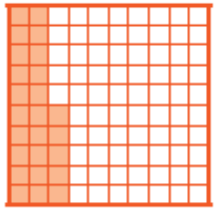
$1\% = \frac{1}{100} = 0.01$



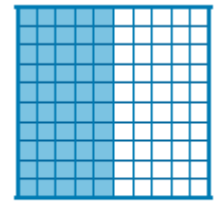
$10\% = \frac{10}{100} = \frac{1}{10} = 0.1$



$20\% = \frac{20}{100} = \frac{1}{5} = 0.2$



$25\% = \frac{25}{100} = \frac{1}{4} = 0.25$



$50\% = \frac{50}{100} = \frac{1}{2} = 0.5$

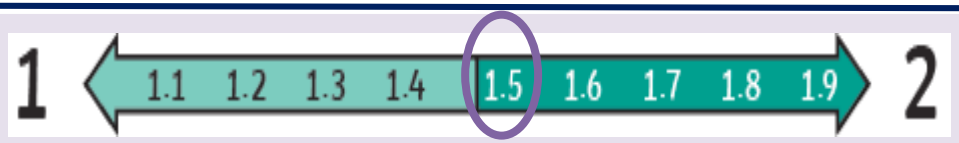
per cent relates to the number of parts per hundred so 50% = $\frac{50}{100}$

Tenths, Hundredths and Thousandths

$0.63 = \frac{63}{100} = \frac{6}{10} + \frac{3}{100}$

$2.41 = 2\frac{41}{100} = 2 + \frac{4}{10} + \frac{1}{100}$

Rounding Decimals



Rounding to the **nearest whole** number. Look at the tenths

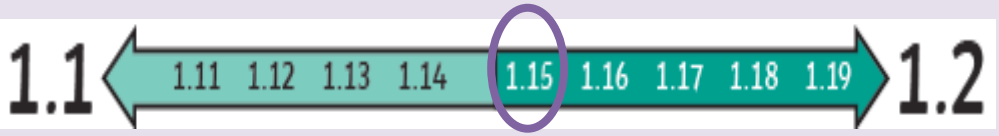
If the tenths value is 4 or below, round down.

If the tenths value is 5 or above, round up.

Rounding to the **nearest tenth**. Look at the hundredths

If the hundredths value is 4 or below, round down.

If the hundredths value is 5 or above, round up.



Vocabulary

decimal place	Position of the digits to the right of a decimal point Represents a fraction of a whole number
2 decimal places 2dp	A number with 2 digits after the decimal point
decimal fraction	A fraction with a denominator of 10,100,1,000 …
tenth 1/10	One of ten equal parts
hundredth 1/100	One of one hundred equal parts
thousandth 1/1000	One of one thousand equal parts
equivalent	Having the same value
rounding	Making a number simpler but close to its value
per cent	Parts per hundred