Skillswise

Using a double number line

A double number line is one that has numbers on both sides, eg:

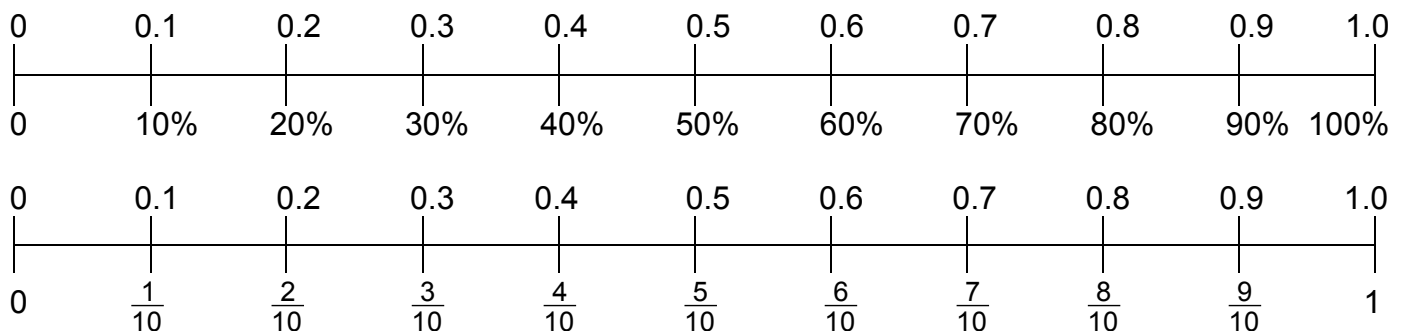| 1	2	3	4	5	6	7	8	9	10	cm
10	20	30	40	50	60	70	80	90	100	mm
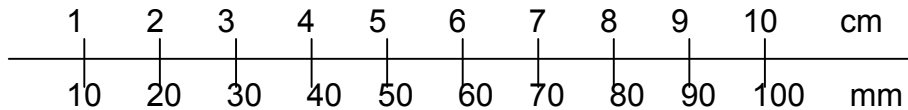
Once you have drawn it, you can use it to do conversions, eg 6 cm = 60 mm

1. Draw a double number line to help you convert between centimetres and metres, (remember 1 metre = 100 cms) and then use it to do the following conversions.

    a. 4 metres = ? cms   b. 9 metres = ? cms

    c. 200 cms = ? metres   d. 700 cms = ? metres

    e. 350 cms = ? metres

2. Use these double number lines showing equivalents between fractions, decimals and percentages to complete the conversion table below.

0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	1

fraction	decimal	percentage
$\frac{3}{10}$		
	0.5	
		80%
$\frac{9}{10}$		
	0.1	
		40%

Now check your answers.