METRIC UNITS

White Rose Maths

GET READY

White Rose Maths

1) $\frac{1}{5}$ of 100 = 100 ÷ ☐

2) $\frac{1}{5}$ of 100 = ☐

3) £1 = ☐ 20 pence coins

4) £4 = ☐ 20 pence coins

1) $\frac{1}{5}$ of $100 = 100 \div \boxed{5}$
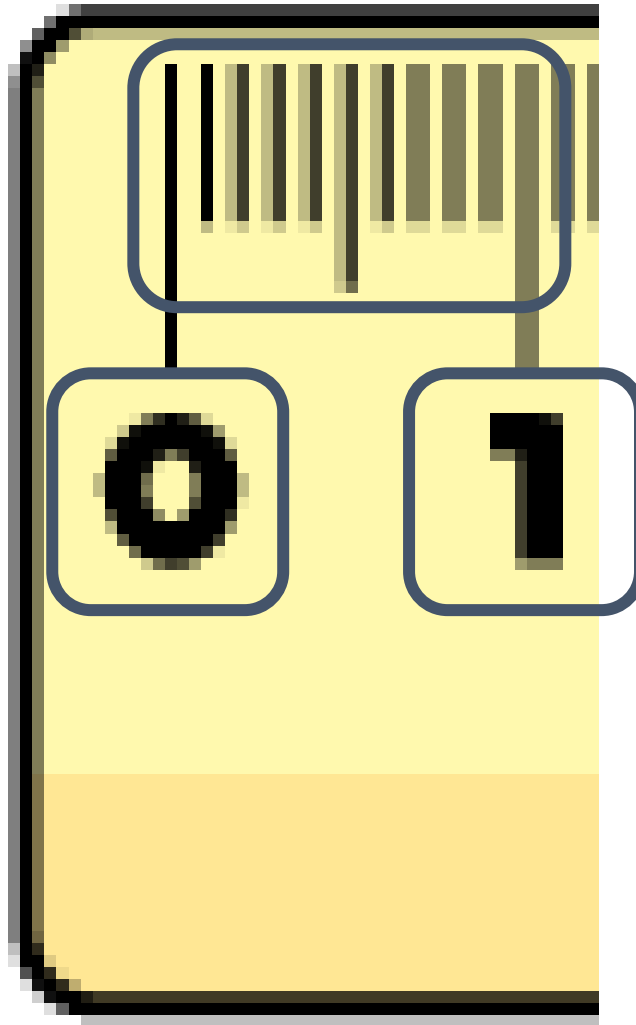
2) $\frac{1}{5}$ of $100 = \boxed{20}$

3) £1 = $\boxed{5}$ 20 pence coins

4) £4 = $\boxed{20}$ 20 pence coins

10 mm = 1 cm

millimetres
mm

centimetres
cm

mm

0	1	2	3	4	5	6	7	8	9	10

0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1

cm
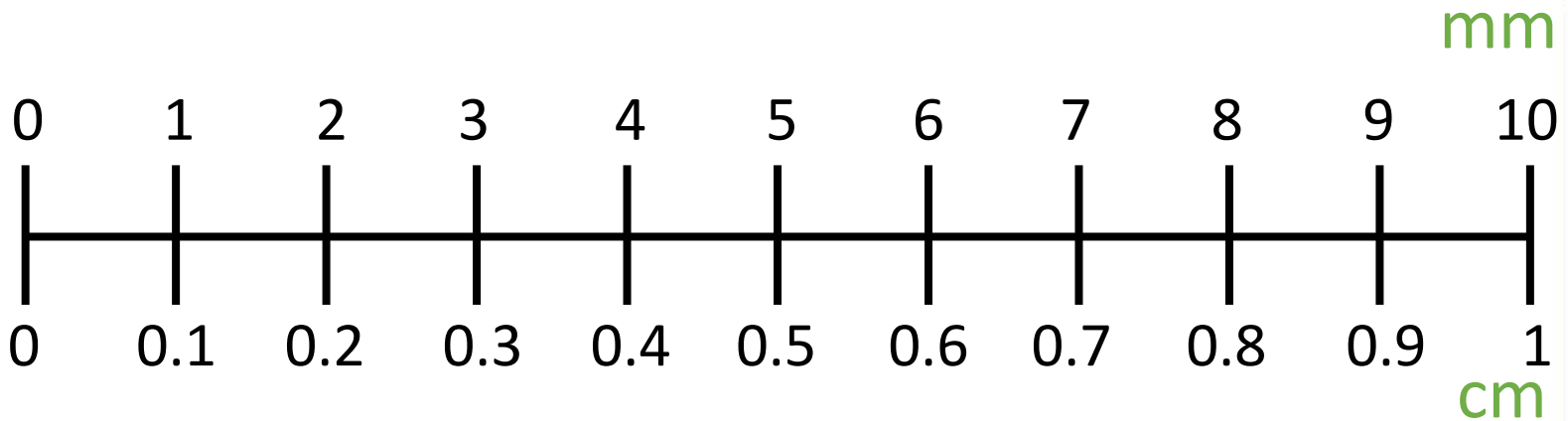
$$1 \text{ mm} = \frac{1}{10} \text{ cm}$$

Have a think ❚❚

90 mm = [9] cm   30 mm = [3] cm

94 mm = [9.4] cm   [3.7] cm = 37 mm

10 mm = 1 cm

10 cm = 100 mm

cm

0	10	20	30	40	50	60	70	80	90	100

100	200	300	400	500	600	700	800	900	1,000

0   1

1,000 mm = 1 m

m
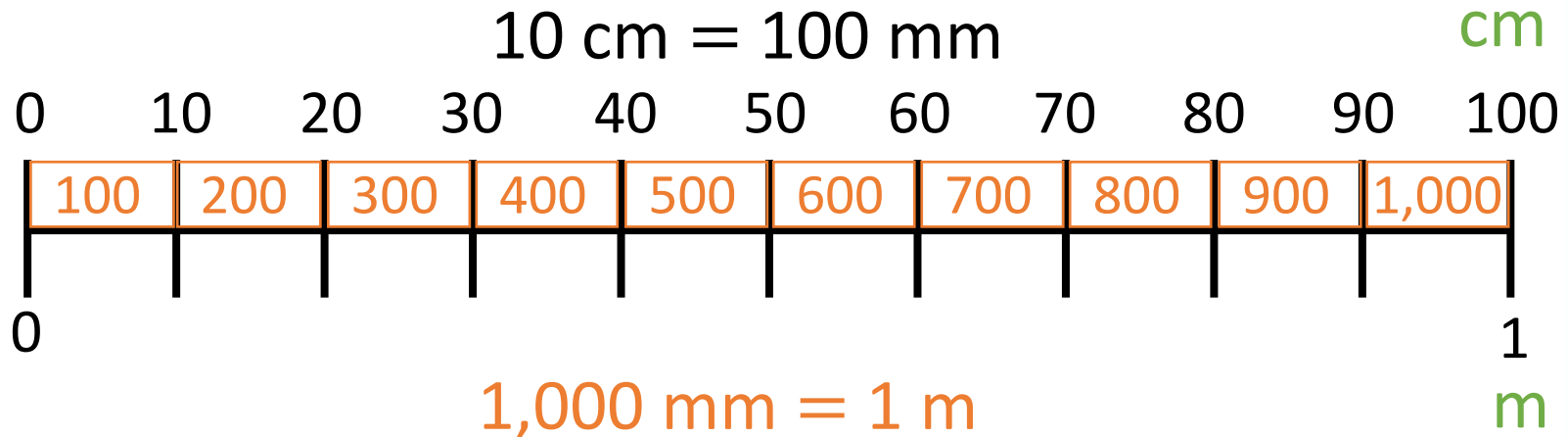
$\boxed{1,900}$ cm = 19 m

19 m = $\boxed{19,000}$ mm

cm

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

m

590 cm = 5.9 m

506 cm

509 cm

909 cm

cm

| 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 |
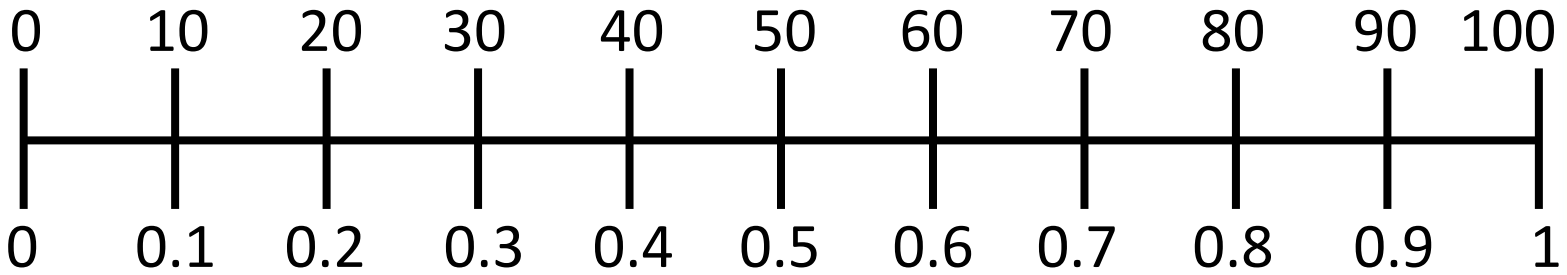
m
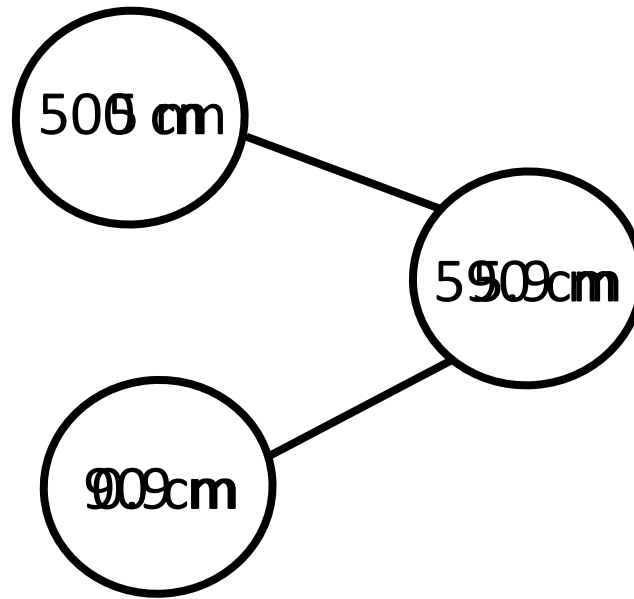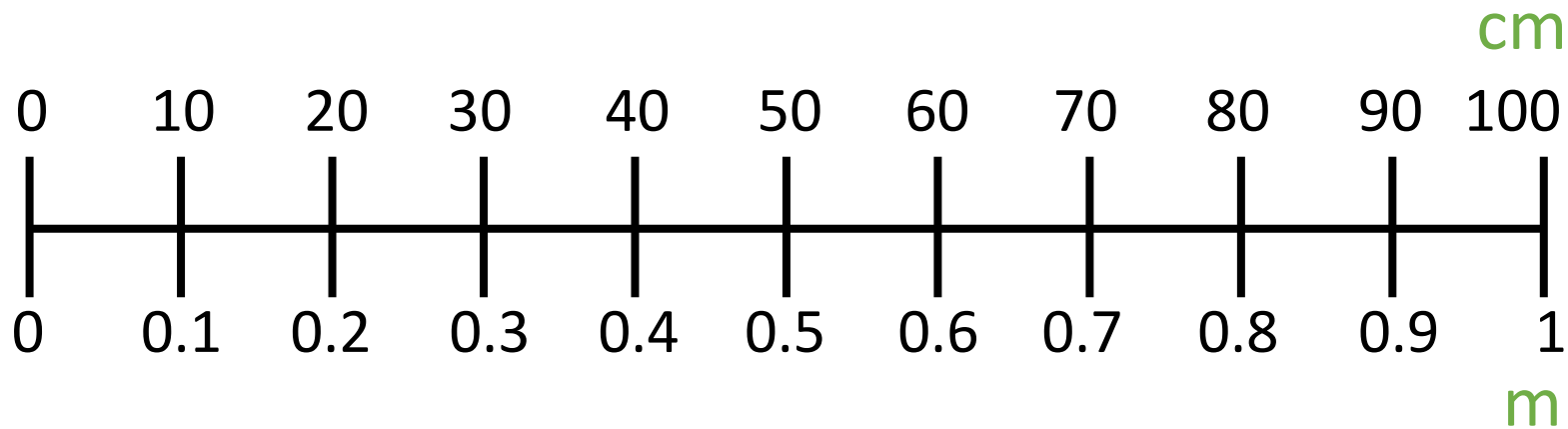
320 cm = 3.2 m

3.02 m = **302** cm

2 hundredths of 1 metre

$\frac{1}{100}$ of 1 metre = 1 cm

$\frac{2}{100}$ of 1 metre = 2 cm

Have a think ⏸

300 cm

3.02 m

0.02m
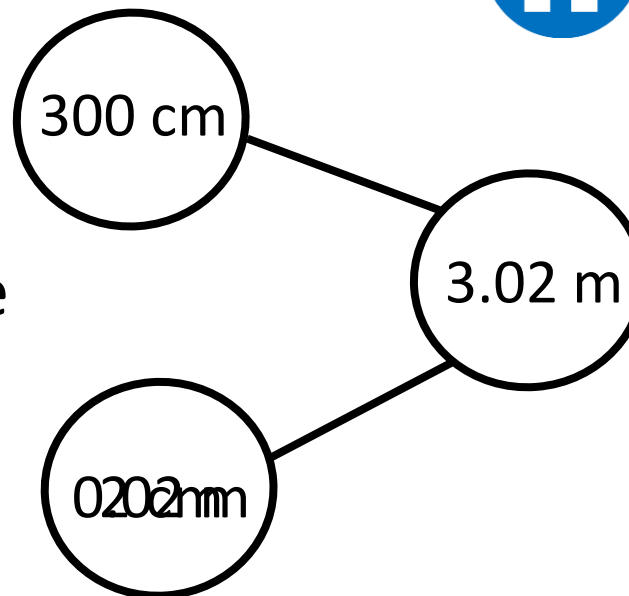
YOUR TURN

Have a go at questions
1 - 4 on the worksheet

Ron and Whitney each draw a line.

My line is one fifth of a metre long.

My line is 180 mm long.

What is the difference in length of the lines?
Give your answer in centimetres.

Have a think ⏸

1 m = 100 cm

My line is one fifth of a metre long.

$\frac{1}{5}$ of 100 cm = 20 cm

My line is 180 mm long.

180 mm = 18 cm

What is the difference in length of the lines? Give your answer in centimetres.

20 cm − 18 cm = 2 cm