

Converting Measures

Starter

1) $6473 + 3726$

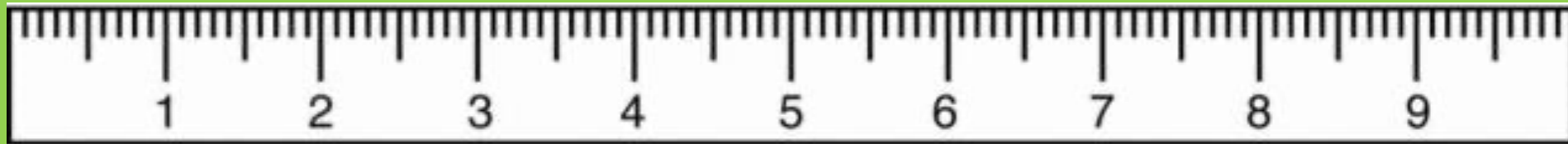
2) 487×73

3) $7645 \div 6$

4) $\frac{3}{4} \div 2$

5) $\frac{4}{5} + \frac{2}{10}$

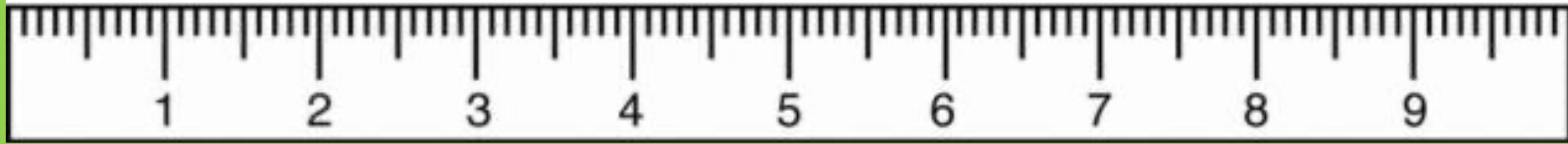
6) 10% of 80



What does the ruler show us?

How can we tell the difference between mm and cm?

What facts can you gain from the ruler?



The ruler helps show that 10 millimetres (mm) is the same as 1 centimetre (cm)

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

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

How would we convert centimetres to millimetres?

How would we convert millimetres to centimetres?

To convert from centimetres to millimetres, we multiply by _____

To convert from millimetres to centimetres, we divide by _____

$$1\text{mm} = 0.1\text{cm}$$

$$3\text{mm} = 0.3\text{cm}$$

$$7\text{mm} = 0.7\text{cm}$$

$$12\text{mm} = 1.2\text{cm}$$

$$17\text{mm} = 1.7\text{cm}$$

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

$$3\text{cm} = 30\text{mm}$$

$$7\text{cm} = 70\text{mm}$$

$$12\text{cm} = 120\text{mm}$$

$$5.4\text{cm} = 54\text{mm}$$

Practise Questions:

Convert the following into centimetres.


1) 10mm

2) 30mm

3) 50mm

4) 15mm

5) 4mm



Why would you need to convert mm to cm?

Practise Questions:

Convert the following into millimetres.


1) 4cm

2) 8cm

3) 15cm

4) 12.4cm

5) 0.8cm



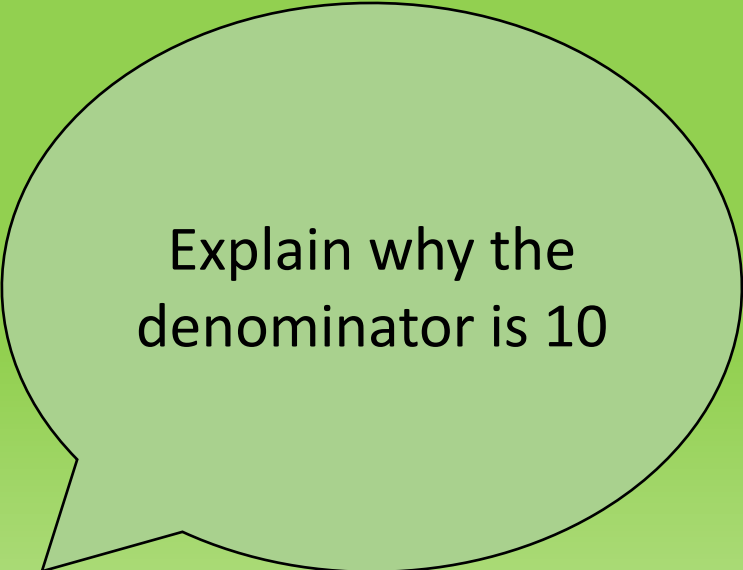
Why would you need to convert cm to mm?

$$1\text{mm} = \frac{1}{10} = 0.1\text{cm}$$

$$2\text{mm} = \frac{?}{10} = 0.2\text{cm}$$

$$? \text{mm} = \frac{6}{10} = 0.6\text{cm}$$

$$23\text{mm} = \frac{?}{10} = ?\text{cm}$$



Explain why the denominator is 10