



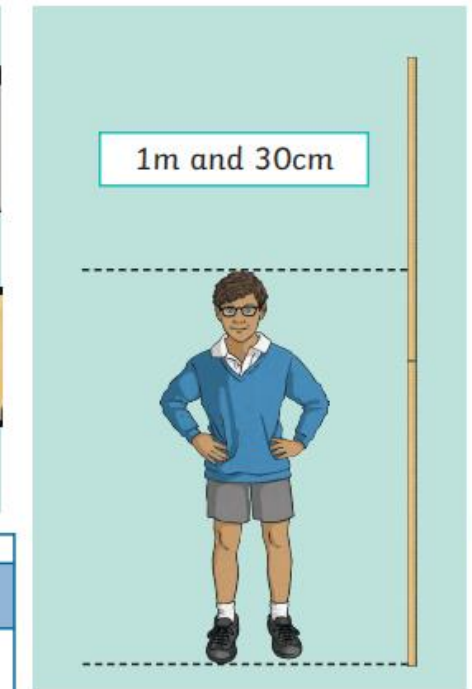
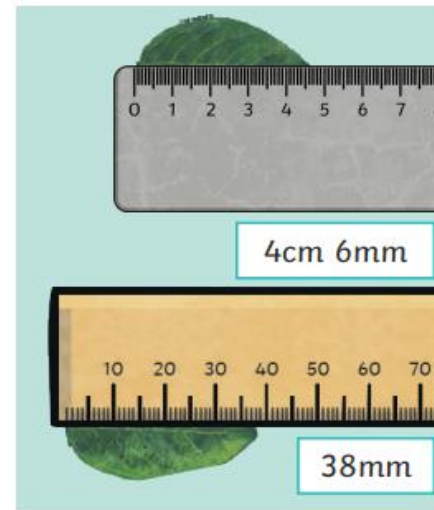
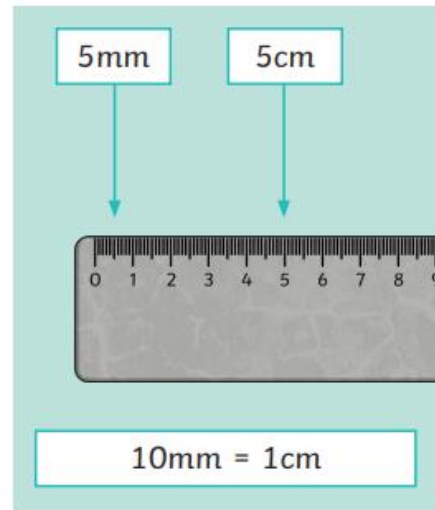
## Length and Perimeter

## Knowledge Organiser

### Key Vocabulary

|                  |
|------------------|
| metre (m)        |
| centimetre (cm)  |
| millimetre (mm)  |
| height           |
| length           |
| width            |
| perimeter        |
| further/furthest |
| higher/highest   |
| longer/longest   |
| shorter/shortest |
| taller/tallest   |

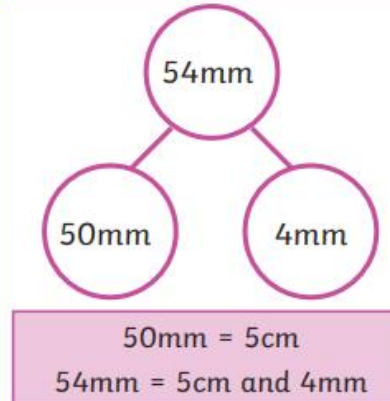
### Measure Length



### Which Unit of Measure?

|  |               |
|--|---------------|
|  | mm   cm   (m) |
|  | mm   (cm)   m |
|  | (mm)   cm   m |

### Equivalent Length



100 centimetres = 1 metre

10 millimetres = 1 centimetre

|         |      |
|---------|------|
| 317cm   |      |
| 300cm   | 17cm |
| 3m      | 17cm |
| 3m 17cm |      |

## Length and Perimeter

## Knowledge Organiser

### Compare Lengths

$6\text{mm} < 6\text{cm}$   
 $6\text{cm} = 60\text{mm}$   
 $6\text{mm}$  is shorter than  $6\text{cm}$

$320\text{cm} > 2\text{m } 60\text{cm}$   
 $320\text{cm} > 200\text{cm} + 60\text{cm}$   
 $320\text{cm}$  is longer than  $2\text{m } 60\text{cm}$

$98\text{mm} < 12\text{cm } 3\text{mm}$   
 $98\text{mm} < 120\text{mm} + 3\text{mm}$   
 $98\text{mm}$  is shorter than  $12\text{cm } 3\text{mm}$

### Add and Subtract Lengths

$14\text{cm} + 19\text{cm} = 33\text{cm}$   
 $8\text{cm } 2\text{mm} + 16\text{mm} =$   
 $98\text{mm}$  or  $9\text{cm } 8\text{mm}$

|         |      |
|---------|------|
| ?       |      |
| 8cm 2mm | 16mm |
| 82mm    | 16mm |

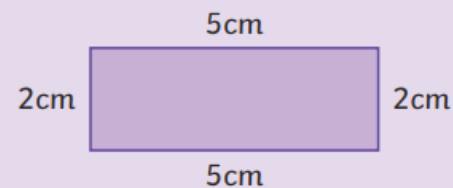
$6\text{m} - 2\text{m } 28\text{cm}$   
 $6\text{m} - 2\text{m} = 4\text{m}$   
 $4\text{m} - 28\text{cm} = 3\text{m } 72\text{cm}$

|         |   |
|---------|---|
| 6m      |   |
| 2m 28cm | ? |

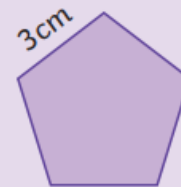
### Perimeter



..... = perimeter



$$5\text{cm} + 2\text{cm} + 5\text{cm} + 2\text{cm} = 14\text{cm}$$



$$3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} = 15\text{cm}$$

perimeter =  $20\text{cm}$

$$6\text{cm} + 6\text{cm} = 12\text{cm}$$

$$20\text{cm} - 12\text{cm} = 8\text{cm}$$

$$8\text{cm} \div 2 = 4\text{cm}$$

