

Length and Perimeter

Knowledge Organiser

Key Vocabulary

metre (m)

centimetre (cm)

millimetre (mm)

height

length

width

perimeter

further/furthest

higher/highest

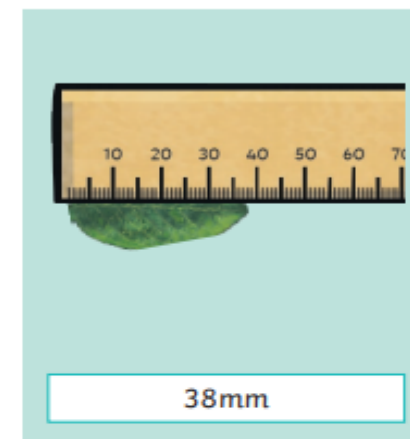
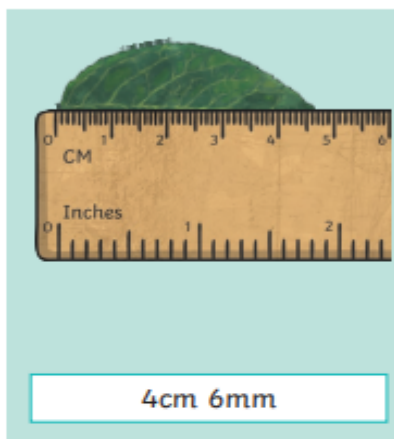
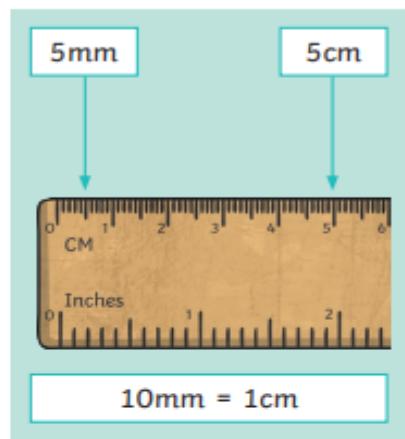
longer/longest

shorter/shortest

taller/tallest

Year 3

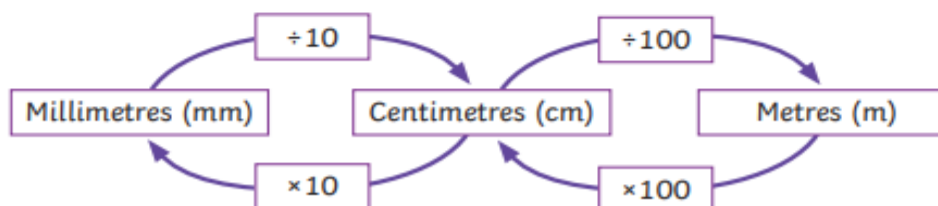
Measure Length



Equivalent Length

100 centimetres = 1 metre

10 millimetres = 1 centimetre



317cm	
300cm	17cm
3m	17cm
3m 17cm	

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Compare Lengths

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

$320\text{cm} > 2\text{m } 6\text{cm}$
 $320\text{cm} > 200\text{cm} + 60\text{cm}$
 320cm is longer than $2\text{m } 60\text{cm}$

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

Add and Subtract Lengths

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

?	
8cm 2mm	16mm
82mm	16mm

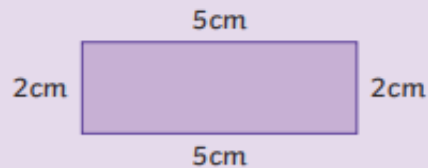
$6\text{m} - 2\text{m } 28\text{cm}$
 $6\text{m} - 2\text{m} = 4\text{m}$
 $4\text{m} - 28\text{cm} = 3\text{m } 72\text{cm}$

6m	
2m 28cm	?

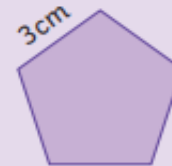
Perimeter



..... = 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 = 20cm
 $6\text{cm} + 6\text{cm} = 12\text{cm}$
 $20\text{cm} - 12\text{cm} = 8\text{cm}$
 $8\text{cm} \div 2\text{cm} = 4\text{cm}$

