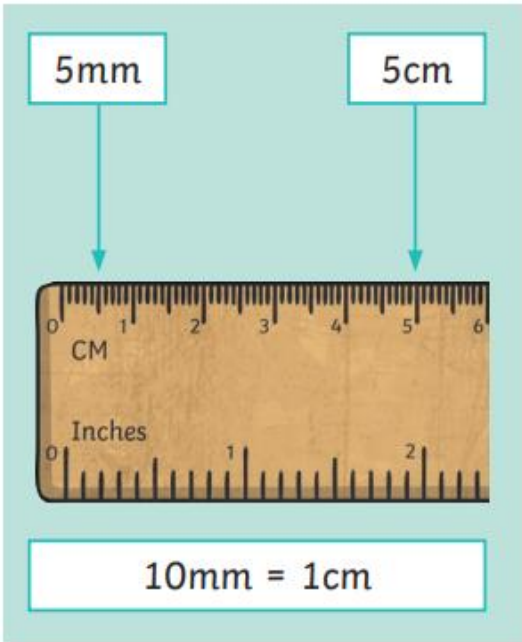
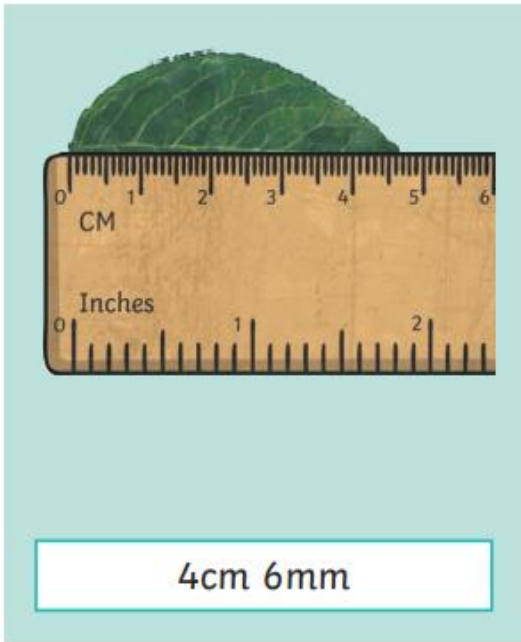





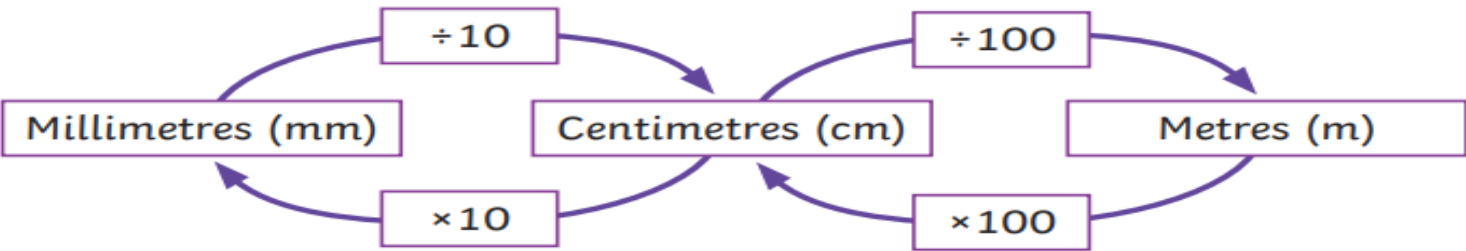
Year 3 Length and Perimeter

Key Vocabulary	Measure Length		
metre (m)			
centimetre (cm)			
millimetre (mm)			
height			
length			
width			
perimeter			
further/furthest			
higher/highest			
longer/longest			
shorter/shortest			
taller/tallest			

Equivalent length

100 centimetres = 1 metre

10 millimetres = 1 centimetre



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

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

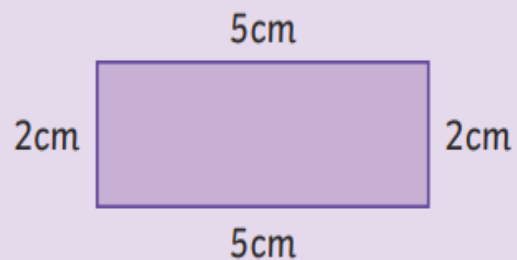
$6\text{m} - 2\text{m } 28\text{cm}$
 $6\text{m} - 2\text{m} = 4\text{m}$
 $4\text{m} - 28\text{cm} = 3\text{m } 72\text{cm}$

6m	
2m 28cm	?

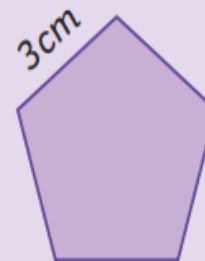
Perimeter



..... = perimeter



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



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

$$\begin{aligned} \text{perimeter} &= 20\text{cm} \\ 6\text{cm} + 6\text{cm} &= 12\text{cm} \\ 20\text{cm} - 12\text{cm} &= 8\text{cm} \\ 8\text{cm} \div 2\text{cm} &= 4\text{cm} \end{aligned}$$

