

Year 3 Length and Perimeter Knowledge Organiser.

Length and Perimeter	Knowledge Organiser								
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								
	<div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa;">100 centimetres = 1 metre</div> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa;">10 millimetres = 1 centimetre</div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa;">Millimetres (mm)</div> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa; margin: 5px;">÷ 10</div> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa; margin: 5px;">× 10</div> </div> <div style="text-align: center;"> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa;">Centimetres (cm)</div> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa; margin: 5px;">÷ 100</div> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa; margin: 5px;">× 100</div> </div> <div style="text-align: center;"> <div style="border: 1px solid purple; padding: 5px; background-color: #e6e6fa;">Metres (m)</div> </div> </div> <div style="margin-top: 20px; text-align: right;"> <table border="1" style="border-collapse: collapse; background-color: #d8bfd8;"> <tr><td colspan="2" style="text-align: center;">317cm</td></tr> <tr><td style="width: 50%;">300cm</td><td style="width: 50%;">17cm</td></tr> <tr><td style="text-align: center;">3m</td><td style="text-align: center;">17cm</td></tr> <tr><td colspan="2" style="text-align: center;">3m 17cm</td></tr> </table> </div>	317cm		300cm	17cm	3m	17cm	3m 17cm	
317cm									
300cm	17cm								
3m	17cm								
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Length and Perimeter

Knowledge Organiser

Compare Lengths

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

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

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

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

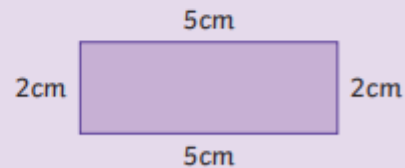
$6\text{m} - 2\text{m } 28\text{cm}$
 $6\text{m} - 2\text{m} = 4\text{m}$
 $4\text{m} - 28\text{cm} = 3\text{m } 72\text{cm}$

6m	
2m 28cm	?

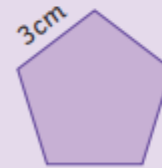
Perimeter



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

