#### Year 2/3 – Spring Block 4 – Length, Height and Perimeter – Step 3

#### About This Resource:

This PowerPoint has been designed to support your teaching of this small step from the Mixed Age planning. It includes a starter activity suitable for each year group and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack (separate for each year group). Each slide has the year group identified in the bottom right-hand corner. We recommend that you look through this PowerPoint in advance and decide whether to work through all examples provided or a selection of them depending on the needs of your class.

#### National Curriculum Objectives:

Mathematics Year 3:(3M1a) <u>Compare lengths (m/cm/mm)</u> Mathematics Year 3:(3M2a) <u>Measure lengths (m/cm/mm)</u>

More Year 2 and Year 3 Length, Height and Perimeter Resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



Year 2/3 – Spring Block 4 – Length, Height and Perimeter

# Step 3 Year 3: Equivalent Lengthsmm and cm



**Introduction** 

# 1cm is equal to 10mm. Use this information to complete these conversions.





**Introduction** 

## 1cm is equal to 10mm. Use this information to complete these conversions.



# Complete the bar model:



**Y3** 



CLASSROOM

### Complete the bar model:



Various possible answers, including: 8cm 3mm 7cm 13mm 6cm 23mm



Join the equivalent lengths:





Join the equivalent lengths:





Circle the longest length:







Tick the fish that are the same length as the one below:



Tick the fish that are the same length as the one below:



## Who is correct? Prove it.



My pet snake is the longest. It is 889mm long.

Asad

My pet snake is the longest. It is 89cm 9mm long.



Sam



### Who is correct? Prove it.



My pet snake is the longest. It is 889mm long.

Asad

My pet snake is the longest. It is 89cm 9mm long.



Sam

#### Sam is correct because...



## Who is correct? Prove it.



My pet snake is the longest. It is 889mm long.

My pet snake is the longest. It is 89cm 9mm long.



Sam is correct because his snake is 89cm 9mm long which is equal to 899mm. 899mm is longer than 889mm.



# Spot 2 mistakes. Explain your answer.

cm and mm	mm
25cm and 6mm	256mm
5cm and 8mm	58mm
9cm and 8mm	88mm
8cm and 2mm	28mm
53cm and 1 mm	531mm



# Spot 2 mistakes. Explain your answer.

cm and mm	mm
25cm and 6mm	256mm
5cm and 8mm	58mm
9cm and 8mm	88mm
8cm and 2mm	28mm
53cm and 1 mm	531mm

9cm and 8mm and 8cm and 2mm are wrong because...



# Spot 2 mistakes. Explain your answer.

cm and mm	mm
25cm and 6mm	256mm
5cm and 8mm	58mm
9cm and 8mm	88mm
8cm and 2mm	28mm
53cm and 1 mm	531mm

9cm and 8mm and 8cm and 2mm are wrong because 9cm and 8mm is equivalent to 98mm and 8cm and 2mm is equivalent to 82mm.





