



**Focus:** Length and Perimeter

**Time:** 3 weeks

**NC**

Measure, compare, add and subtract lengths (m, cm, mm).

Measure the perimeter of simple 2D shapes.

**Concept Sequence**

Measure in m and cm – use rulers. Combine in format such as 1m 20cm.

Measure in mm – introduce mm. Use variety of equipment, discuss which is most appropriate.

Measure in cm and mm – record as 4cm and 3mm. Use rulers with cm and mm. Show 5mm interval to aid counting forwards/backwards.

Metres, centimetres and millimetres – consider appropriateness of different units.

Equivalent lengths m and cm – 1m=100cm. Partition and convert to m and cm – not decimals (eg. 1m 25cm).

Equivalent lengths cm and mm – 1cm=10mm. Partition rather than use decimals.

Compare lengths – compare and order using cm, mm and m. Convert measurements to same units first.

Add lengths – add lengths given in different units (convert first). This helps later with calculating perimeter.

Subtract lengths – Use take away and difference (help later with missing lengths in perimeter).

Measure perimeter – new concept. See what it is and isn't. Measure and compare 2D shapes – make connections with properties of 2D shapes.

Calculate perimeter – use properties of shape to calculate perimeter (don't explore formulae – use repeated addition and make connections with tables).

**Resources**

Ruler, tape, metre stick, trundle wheels, non-standard units

Gordons Maths Games, Mathletics, TTRockstars, BBC Super Movers:

<https://www.bbc.co.uk/teach/super-movers/ks2-collection/zr4ky9q>

**Existing Vocabulary**

Measure, measurement,

Measuring scale,

Size, compare

Guess, estimate, roughly, enough, not enough

Too much, too little, too many, too few

Nearly, close to, about the same as

Just over, just under, same

Centimetre, Metre,

Ruler, metre stick, tape measure

Length, height, width, depth

Long, short, tall

High, low

Wide, narrow

Thick, thin

Longer, shorter, taller, higher.....

Longest, shortest, tallest, highest....

Further, furthest

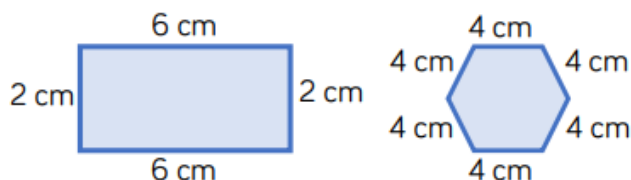
Far, near, close

**New Vocabulary**

Division, Approximately, mm

Distance apart/between/to/from perimeter

Calculate the perimeter of the shapes.



**Planning Links**

Maths No Problem/Aspire Maths/Power Maths

White Rose Scheme of Work:

<https://assets.whiterosemaths.com/new-schemes/Year%203%20Spring%20Block%202%20SOL%20Length%20and%20perimeter.pdf>

**Times Tables 3NF-2**

Recap 3x 4x tables

Count in 8s

120 cm	
100 cm	20 cm
1 m	20 cm
1m 20 cm	