#### Year 5 – Autumn Block 5 – Measure Perimeter

#### About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

### National Curriculum Objectives:

Mathematics Year 5: (5M7a) <u>Measure and calculate the perimeter of composite rectilinear shapes in centimetres</u> and metres

More resources which follow the same small steps as White Rose.

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



Year 5 – Autumn Block 5 – Measure Perimeter

# Step 1: Measure Perimeter









# Find the perimeter of this shape.



# 12m + 12m + 1m + 1m + 2m + 2m + 10m= 52m

![](_page_5_Picture_4.jpeg)

Not to scale

Match the shape to its perimeter.

![](_page_6_Figure_2.jpeg)

Match the shape to its perimeter.

![](_page_7_Figure_2.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_9_Figure_0.jpeg)

A shape has two sides of 14m, one sides of 15m and three of 9m.

What is the perimeter of the shape?

![](_page_10_Picture_3.jpeg)

A shape has two sides of 14m, one sides of 15m and three of 9m.

What is the perimeter of the shape?

14m + 14m + 15m + 9m + 9m + 9m = 70m

![](_page_11_Picture_4.jpeg)

#### Problem Solving 1

Use the shapes below to create a compound rectilinear shape. Calculate the perimeter of your shape.

![](_page_12_Figure_2.jpeg)

with a shorter perimeter.

![](_page_12_Picture_4.jpeg)

![](_page_12_Picture_5.jpeg)

#### Problem Solving 1

Use the shapes below to create a compound rectilinear shape. Calculate the perimeter of your shape.

![](_page_13_Figure_2.jpeg)

19m

13m

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![](_page_14_Figure_0.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_16_Figure_0.jpeg)

## Reasoning 2

James cuts along the dotted line. He thinks the perimeter of shape A is 20m and Shape B is 40m.

![](_page_17_Figure_2.jpeg)

Is James correct? Prove it.

![](_page_17_Picture_4.jpeg)

![](_page_17_Picture_5.jpeg)

## Reasoning 2

James cuts along the dotted line. He thinks the perimeter of shape A is 20m and Shape B is 40m.

![](_page_18_Figure_2.jpeg)

Is James correct? Prove it. James is correct because...

## Not to scale

![](_page_18_Picture_5.jpeg)

#### Reasoning 2

James cuts along the dotted line. He thinks the perimeter of shape A is 20m and Shape B is 40m.

![](_page_19_Figure_2.jpeg)

Is James correct? Prove it. James is correct because: A = 9m + 9m + 1m + 1m = 20m B = 0.5m + 3m + 2.5m + 3m + 2m + 9m + 2m + 3m + 2.5m + 3m + 0.5m + 9m = 40m

Not to scale