29.1.21

Find the area and perimeter of rooms in a new build flat.

SC:
Understand how to find area and perimeter of complex shapes

Use given lengths to work out the missing lengths of rooms

Why learn about area and perimeter?
How will it benefit us in real life?
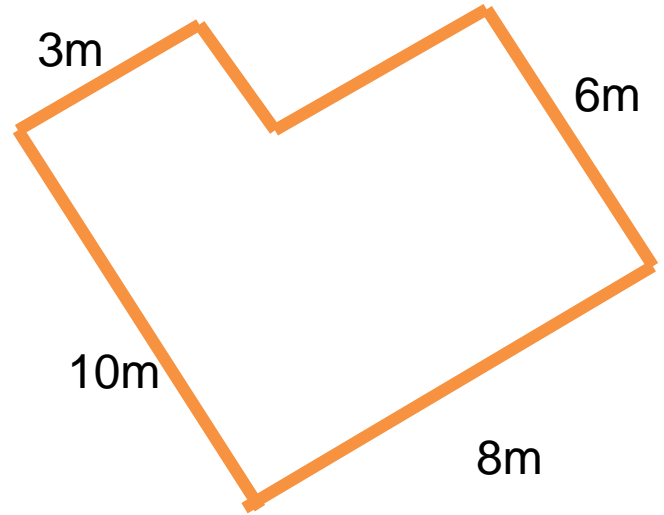
BARRATT
HOMES
built around you

To work out measurements for various things such as: measurements for room sizes, perimeter for fences etc.
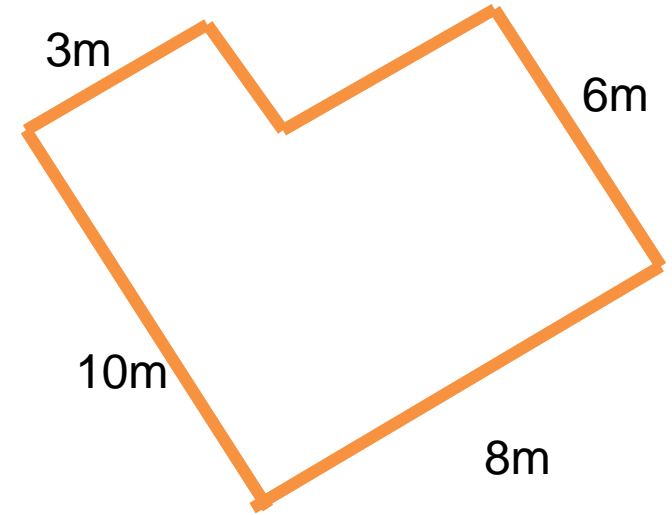
How will we work out the area and perimeter of our school yard?

3m

6m

10m

8m

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3m

6m

10m

8m

A = 60m²

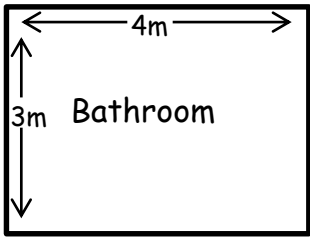P = 36m

Task: You are an architect working for Barratt the house builder. You are designing 1 bedroom flats, which will be built in Byers Green soon. You must work out the area and perimeter of each room before you pass the plans to Durham County Council for permission to build.

Please refer to the videos posted this week as a reminder of how to find area and perimeter of compound shapes.

Bathroom

4m (width), 3m (height)

Kitchen

6m (width), 4m (height)

Bedroom

5m (width), 10 (height)

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Challenge: Find the area and perimeter of the Living Room.

Office
(square)

6m (width)

Living Room

6m (top), 6m (right upper), 6m (lower right), 4m (bottom)

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