

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?

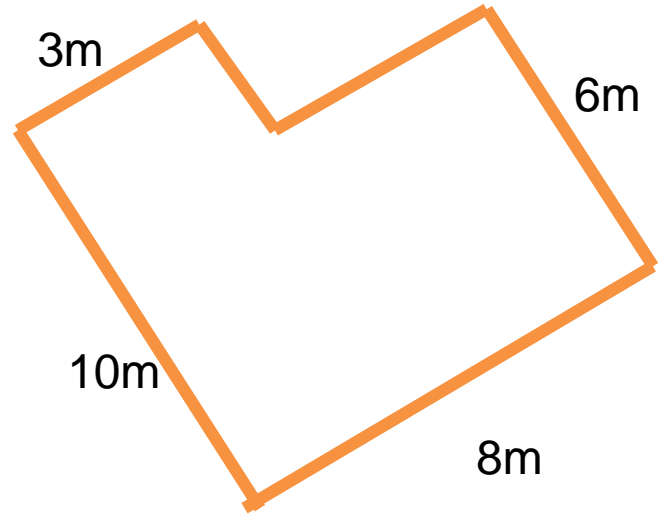


To work out measurements for various things
such as: measurements for room sizes,
perimeter for fences etc.



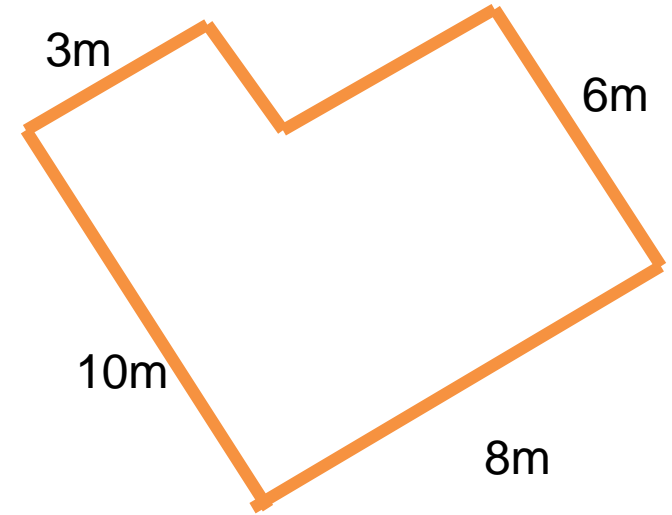


How will we work out the area and perimeter of our school yard?





How will we work out the area and perimeter of our school yard?



$$A = 60\text{m}^2$$

$$P = 36\text{m}$$



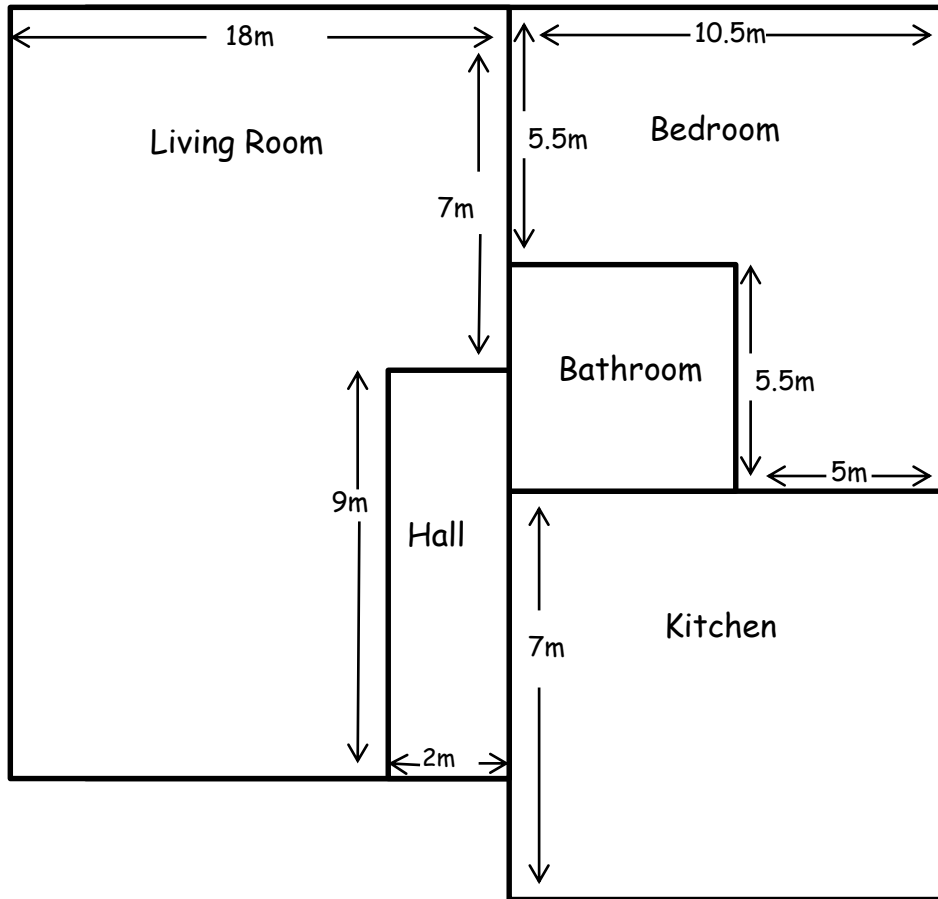
Task: You are an architect working for Barratt the house builder. You are designing 1 bedroom flats, which will be built in Byers Green soon. You must work out the area and perimeter of each room before you pass the plans to Durham County Council for permission to build.

Choose Activity 1 OR 2. (Activity 2 is slightly more challenging.)

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



Activity 1



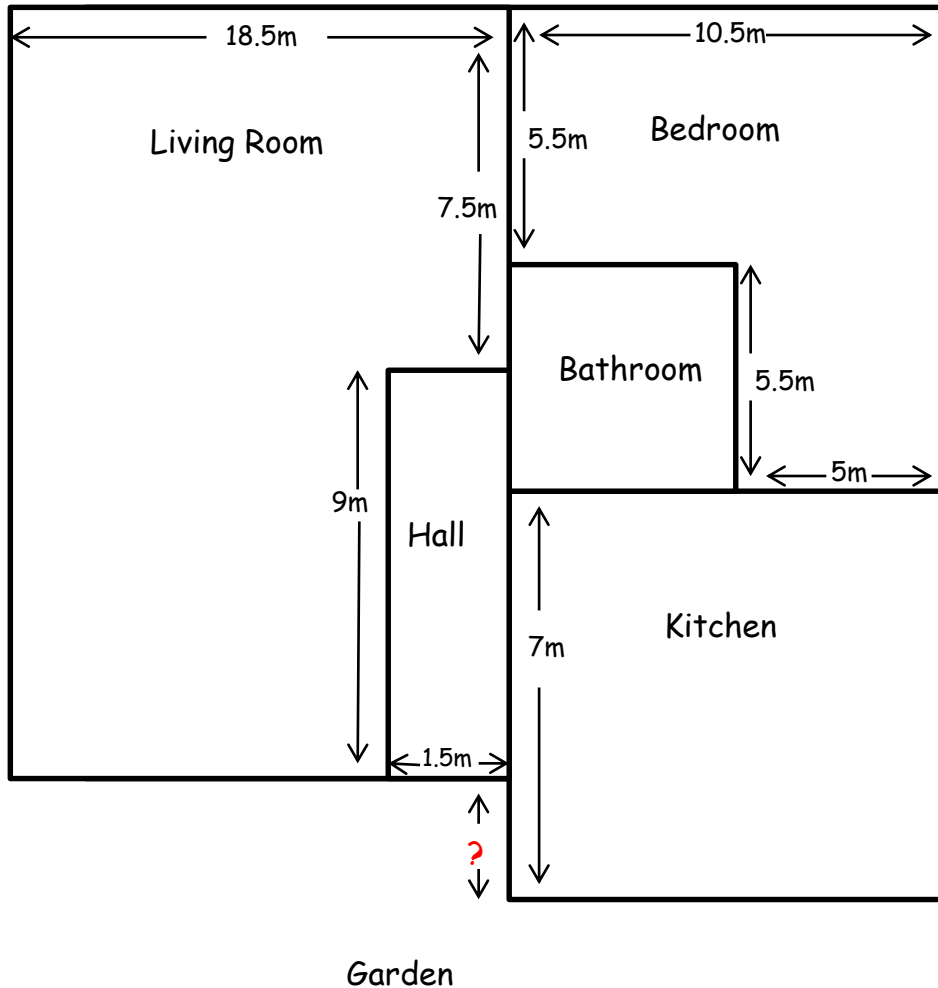
29.1.21

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

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.

START by working out the area and perimeter of the living room.

Activity 2 (slightly more challenging)



BARRATT
HOMES
built around you

29.1.21

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

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.

Round your answers to 1 decimal place.

START by working out the area and perimeter of the living room.

Challenge: You have been given planning permission to build the kitchen further into the garden. Can you work out how much further it extends into the garden?

How to multiply using decimals

$$10.2\text{m} \times 9.2\text{m} =$$

$$\begin{array}{r} 10.2 \\ 9.2 \quad \times \\ \hline 204 \\ 9180 \\ \hline 93.84\text{m}^2 \end{array}$$

Rule - count the decimal places to see where the decimal point goes in your answer.

Answer - 2 decimal places.

Rounded answer = 94m^2