

Year 5

Perimeter and area

Can you compare shapes?



Coventry Building Society Arena

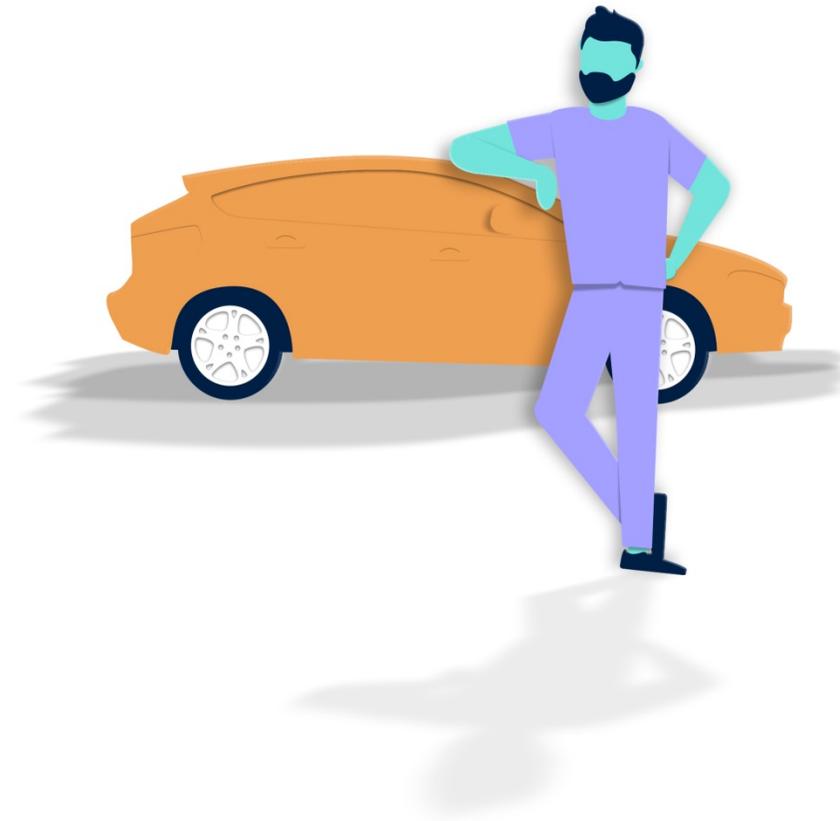
- The Arena has 32,609 seats.
- Wasps Rugby Football Club (Wasps RFC) and Coventry City Football Club (CCFC) play games at the Arena.
- Music events are held there.
- The complex includes a 6,000 square metre exhibition hall.
- There's also a hotel and casino.



The quiz

You are to take part in a quiz where there are 8 questions. For each question you'll be shown 2 shapes. Your task is to guess which one has either the longest perimeter or largest area. Once you've made your guess either calculate the perimeter or area. The shapes will be rooms or facilities you would expect to see in a arena complex like Coventry Building Society Arena.

Can you guess them all right?



Guess which sports court has the longest perimeter

Tennis court



Volleyball court



Calculate which sports court has the longest perimeter

Tennis court

24m



8m

Volleyball court

18m



9m

Calculate which sports court has the longest perimeter

Tennis court

24m



8m

64m

Volleyball court

18m



9m

Calculate which sports court has the longest perimeter

Tennis court

24m



8m

64m

Volleyball court

18m



9m

54m

Which sports court has the longest perimeter?

Tennis court

Tennis court



24m



8m

64m

Volleyball court



18m



9m

54m

Guess which leisure facility has the longest perimeter

The pool

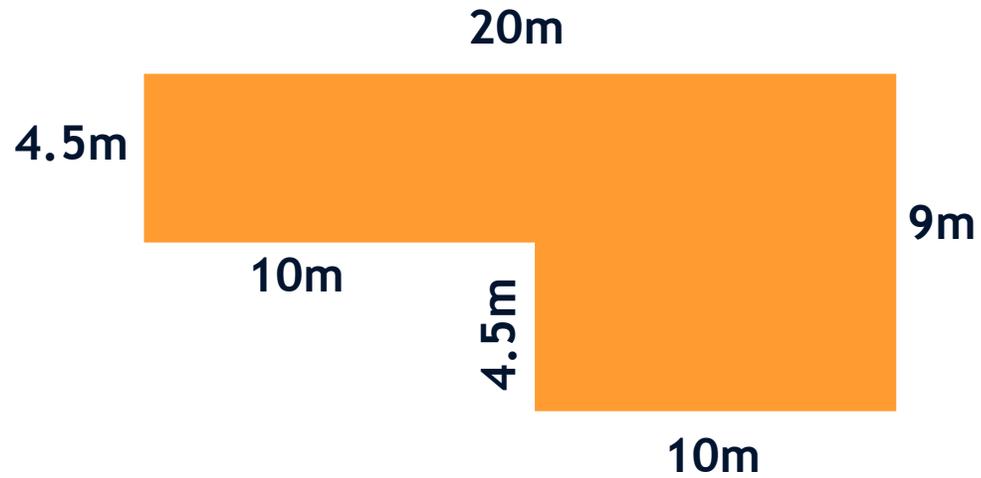


The gym

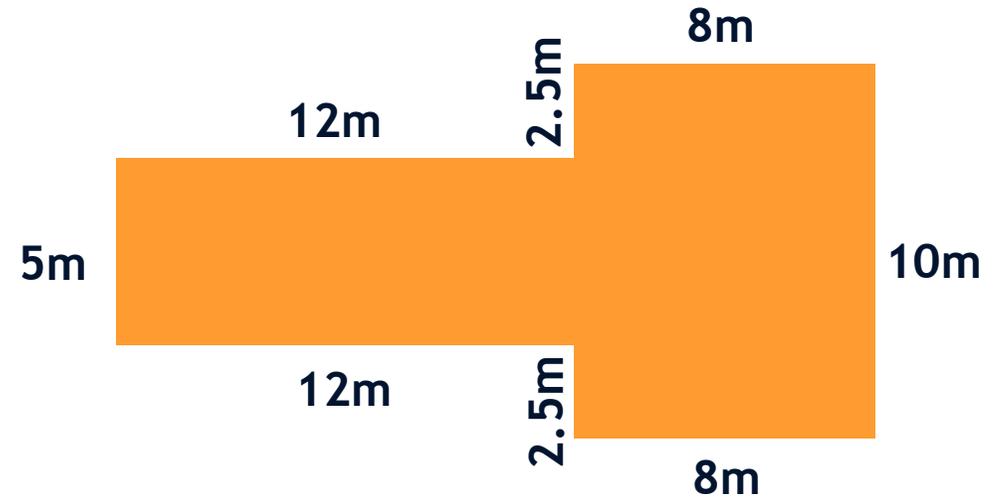


Calculate which leisure facility has the longest perimeter

The pool

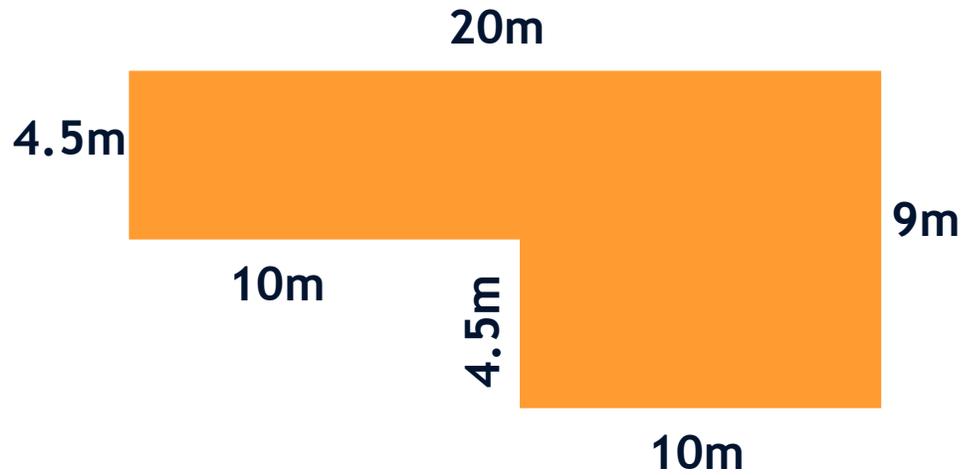


The gym



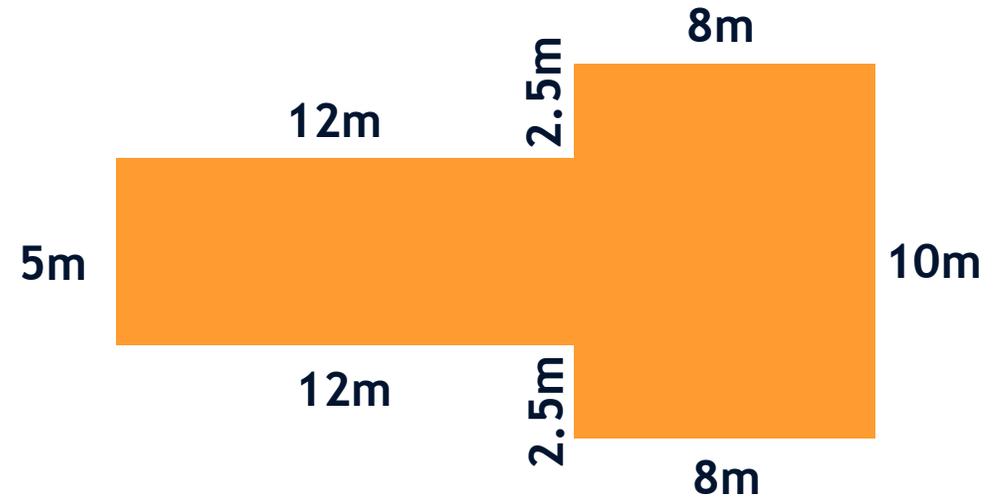
Calculate which leisure facility has the longest perimeter

The pool



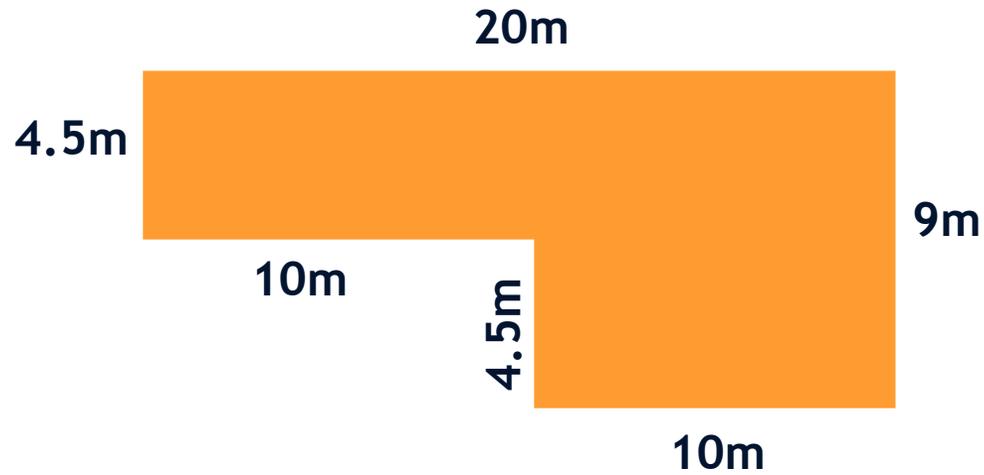
58m

The gym



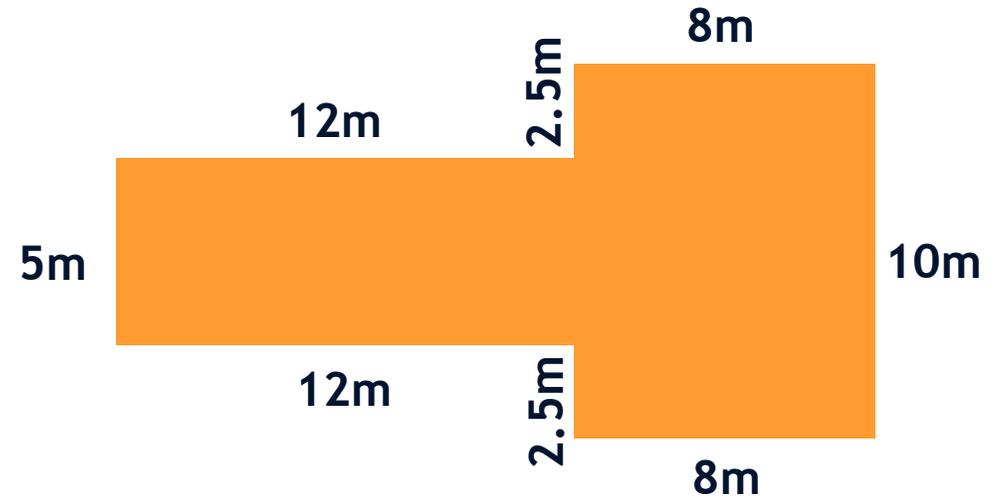
Calculate which leisure facility has the longest perimeter

The pool



58m

The gym



60m

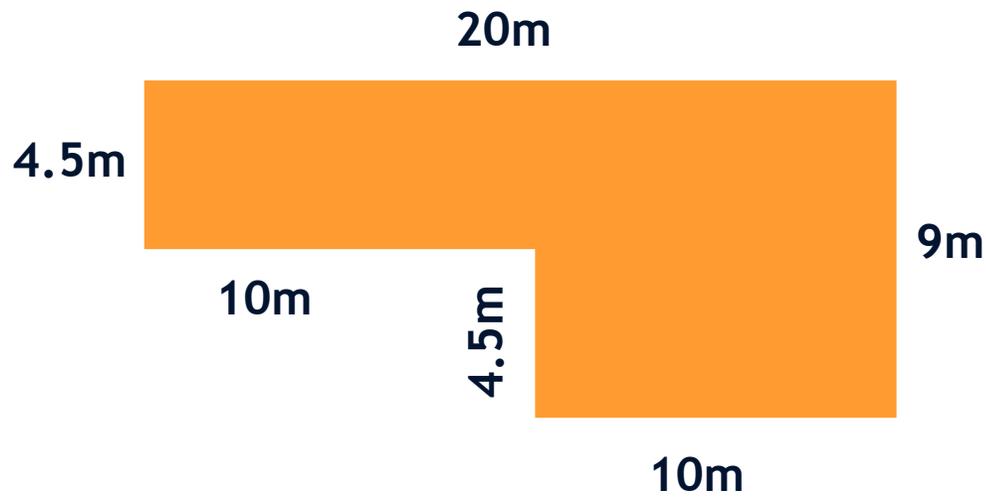
Which leisure facility has the longest perimeter?

The gym

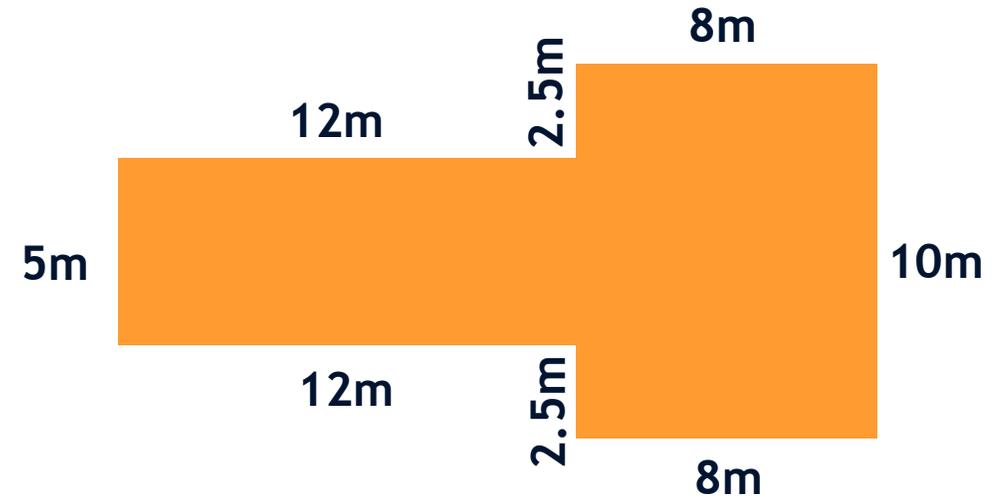
The pool



The gym



58m



60m

Guess which restaurant has the longest perimeter

Moonlight restaurant

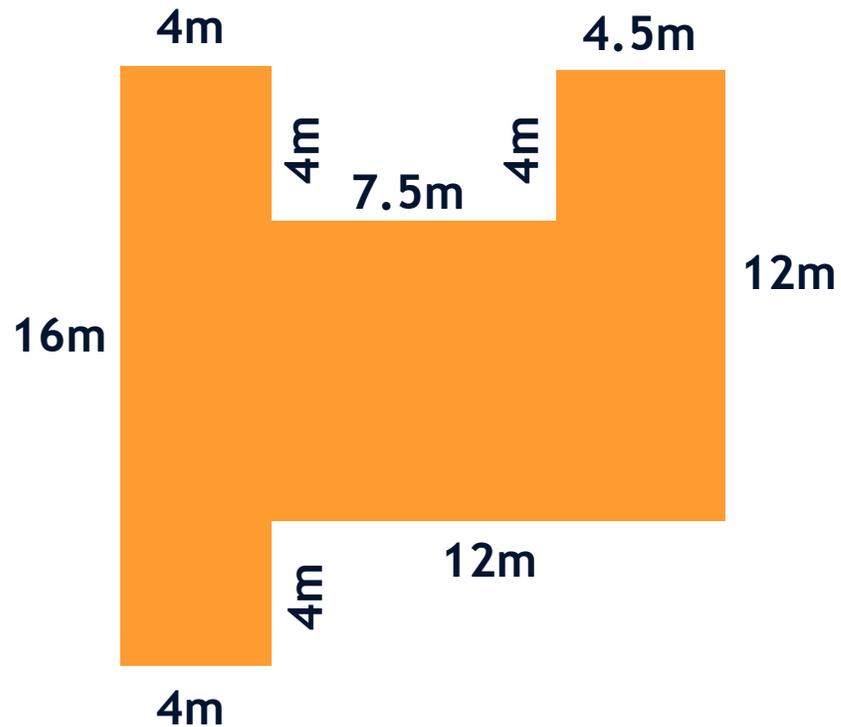


Sunshine cafe

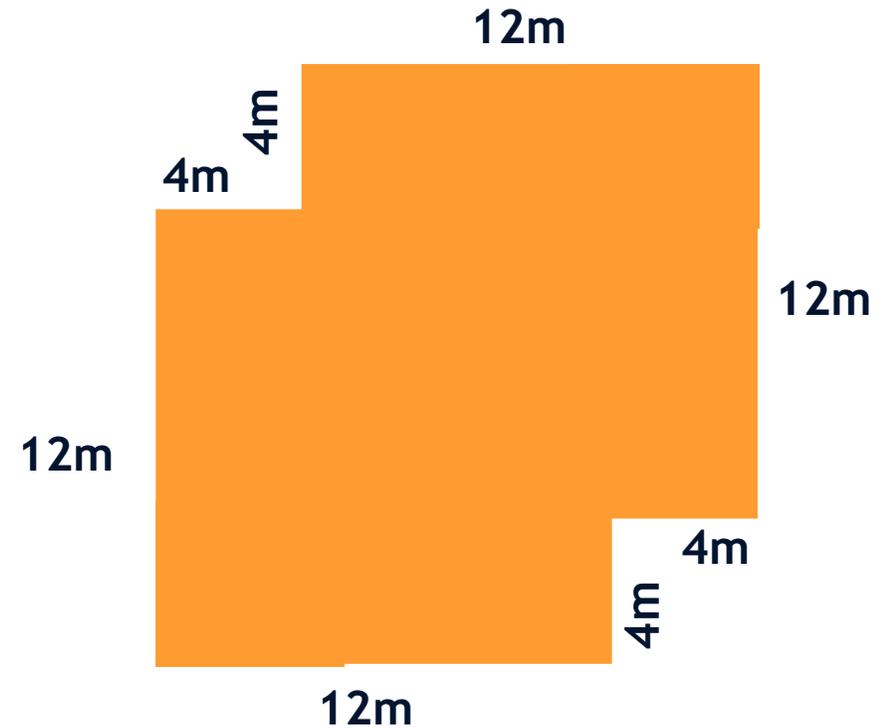


Calculate which restaurant has the longest perimeter

Moonlight restaurant

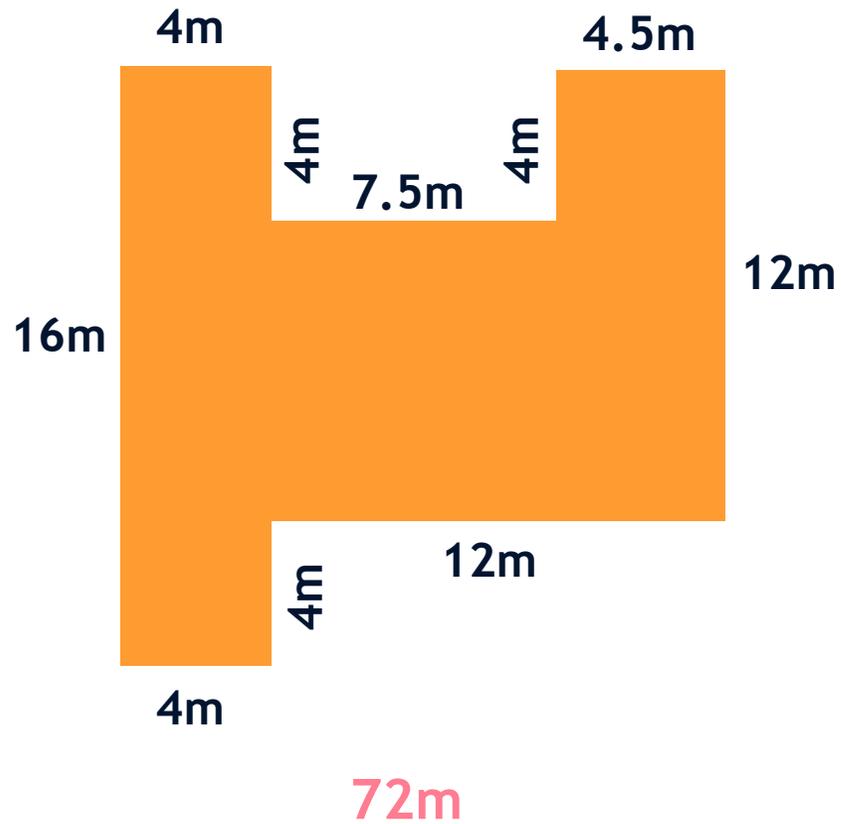


Sunshine cafe

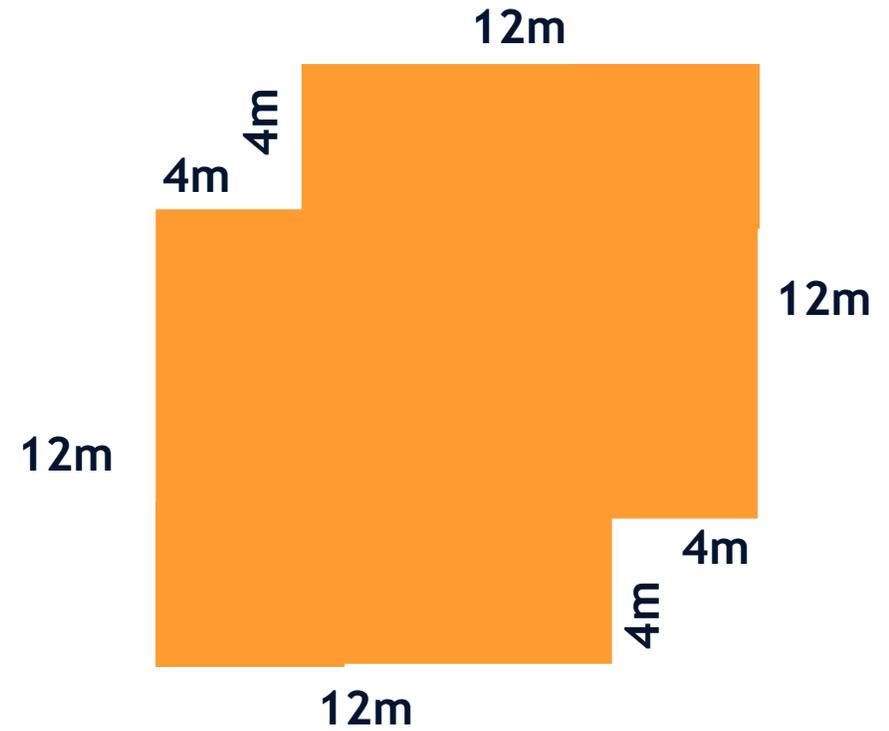


Calculate which restaurant has the longest perimeter

Moonlight restaurant

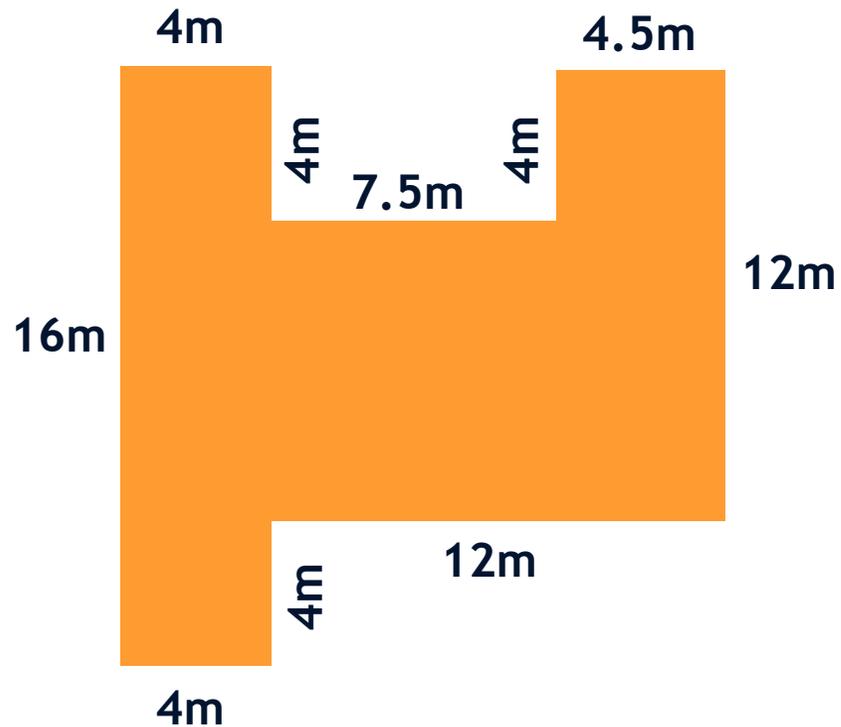


Sunshine cafe



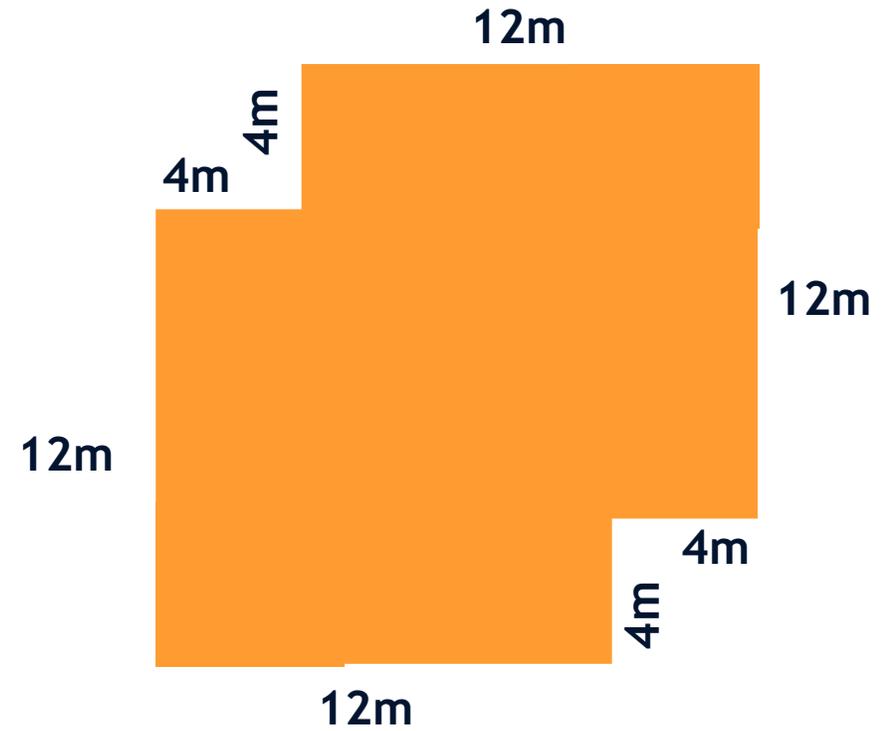
Calculate which restaurant has the longest perimeter?

Moonlight restaurant



72m

Sunshine cafe

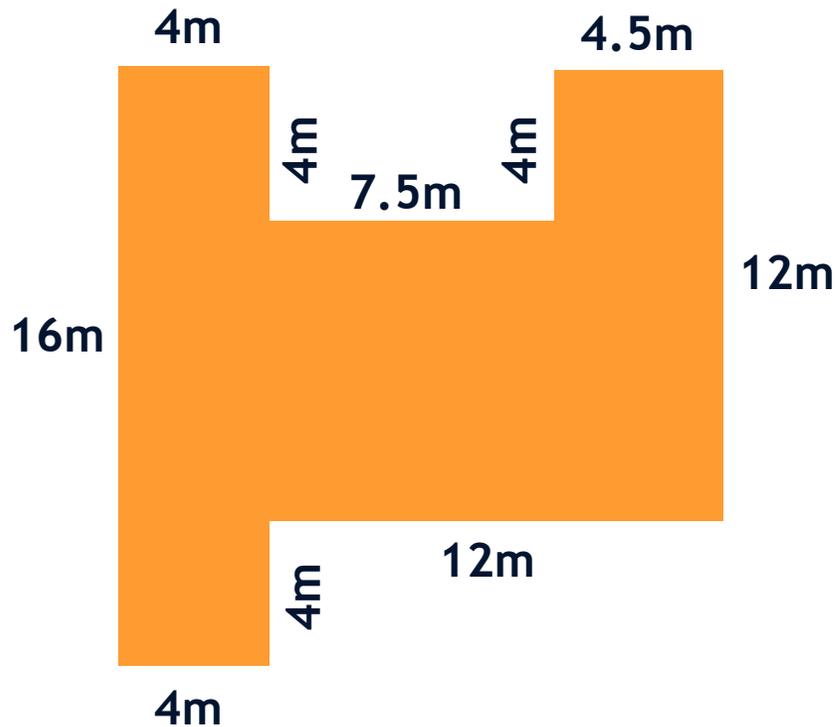


64m

Which restaurant has the longest perimeter?

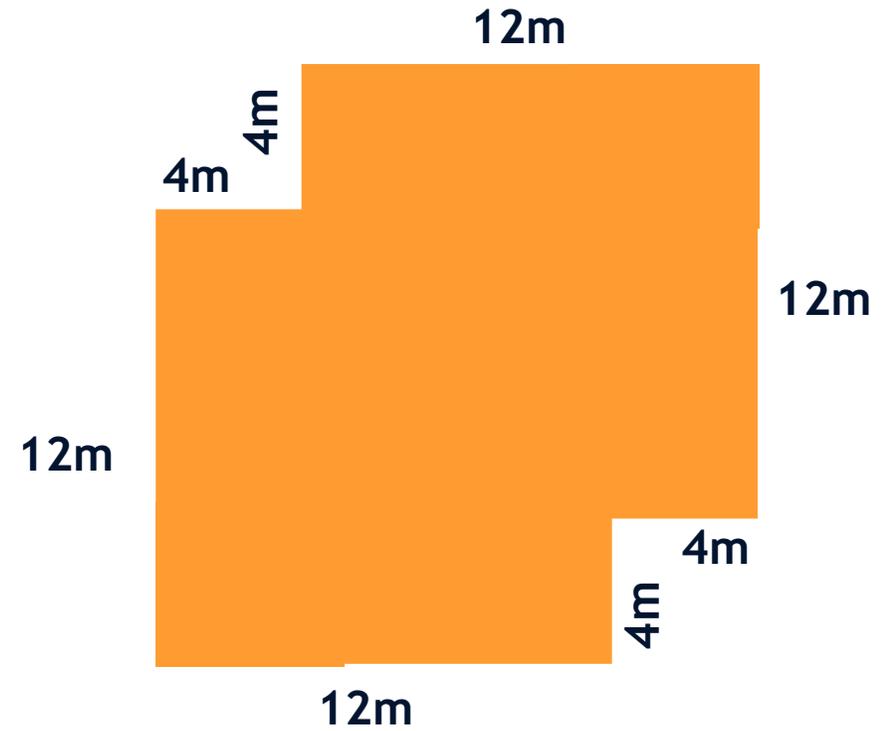
Moonlight restaurant

Moonlight restaurant



72m

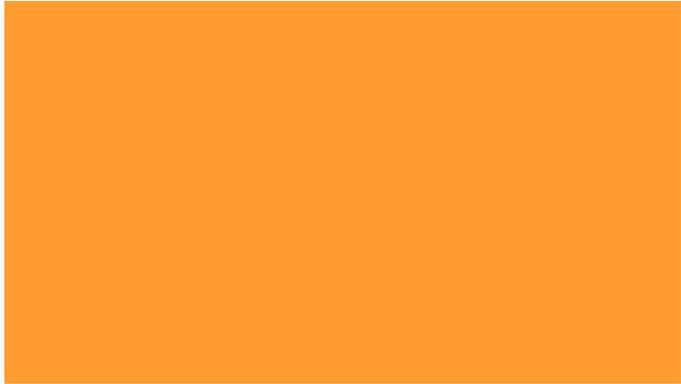
Sunshine cafe



64m

Guess which rugby pitch has the longest perimeter

Wasps



Spiders



Calculate which rugby pitch has the longest perimeter

Wasps

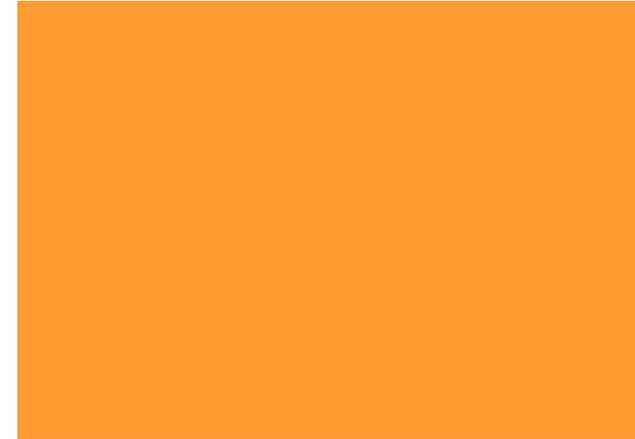
120m



68m

Spiders

110m

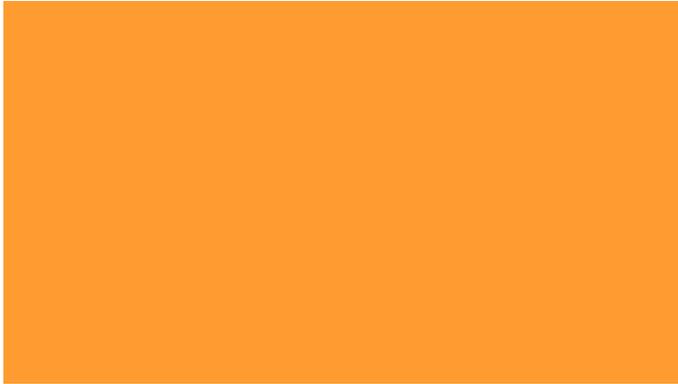


78m

Calculate which rugby pitch has the longest perimeter

Wasps

120m



68m

376m

Spiders

110m

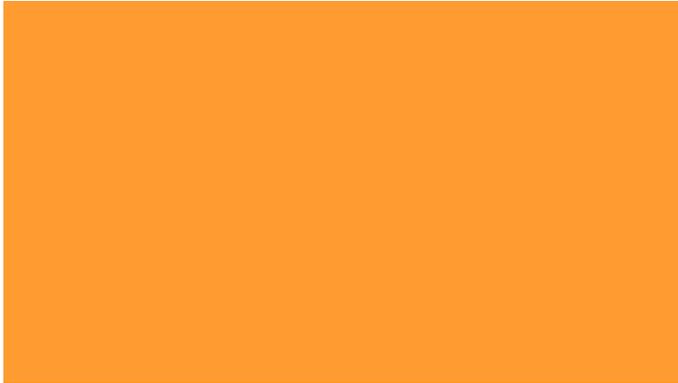


78m

Calculate which rugby pitch has the longest perimeter

Wasps

120m



68m

376m

Spiders

110m



78m

376m

Which rugby pitch has the longest perimeter?

The same

Wasps



120m



68m

376m

Spiders



110m



78m

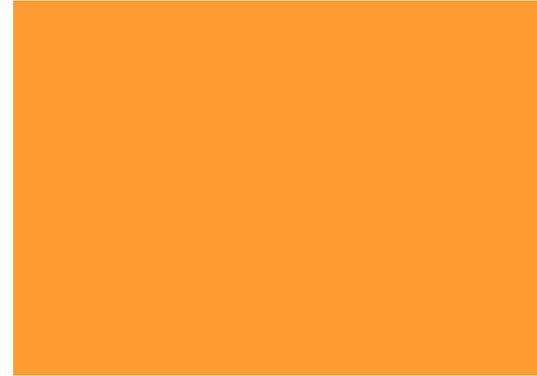
376m

Guess which meeting room has the largest area

Frank Whittle room

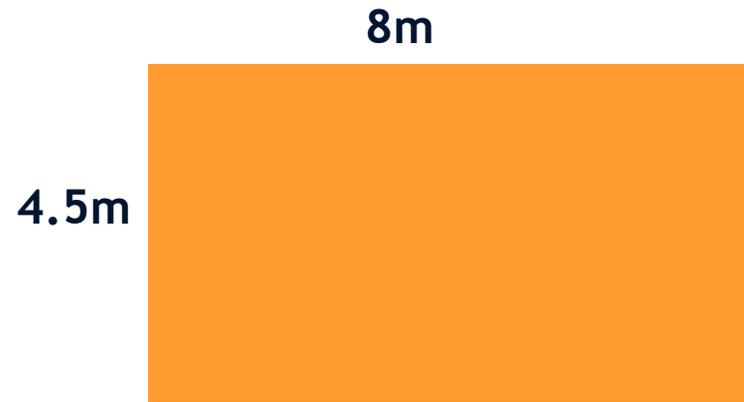


Lady Godiva room

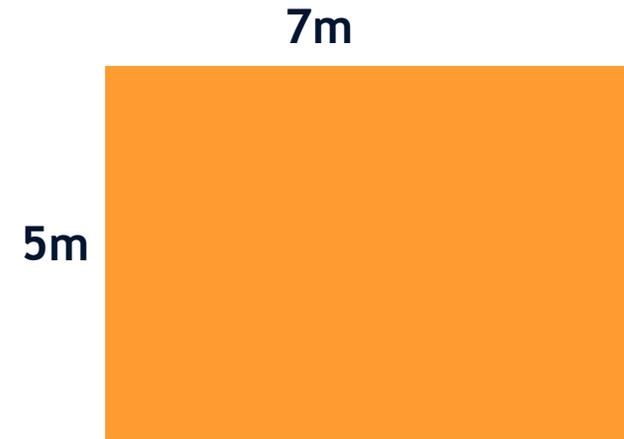


Calculate which meeting room has the largest area

Frank Whittle room

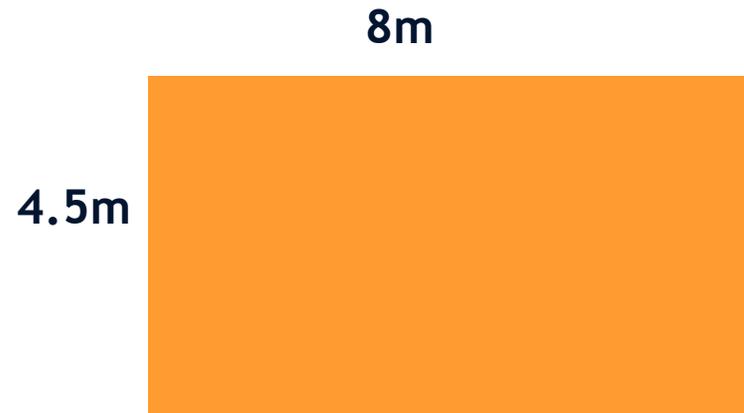


Lady Godiva room



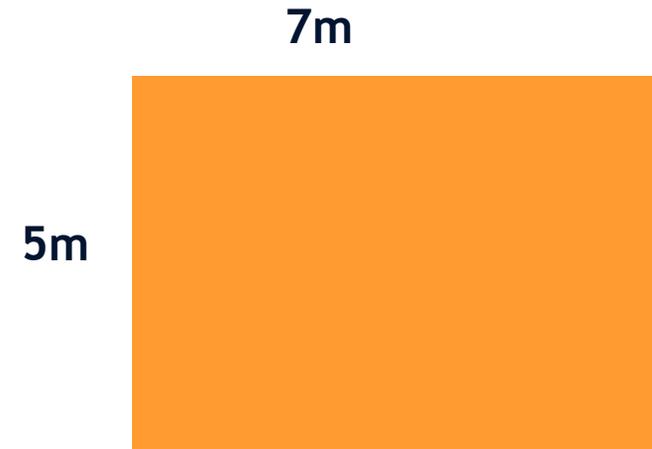
Calculate which meeting room has the largest area

Frank Whittle room



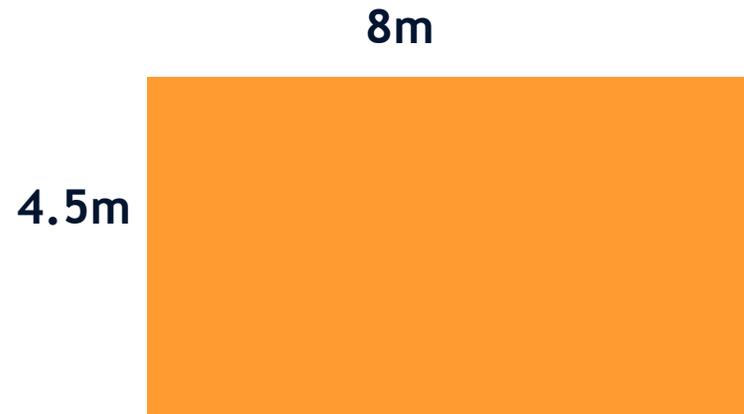
36m^2

Lady Godiva room



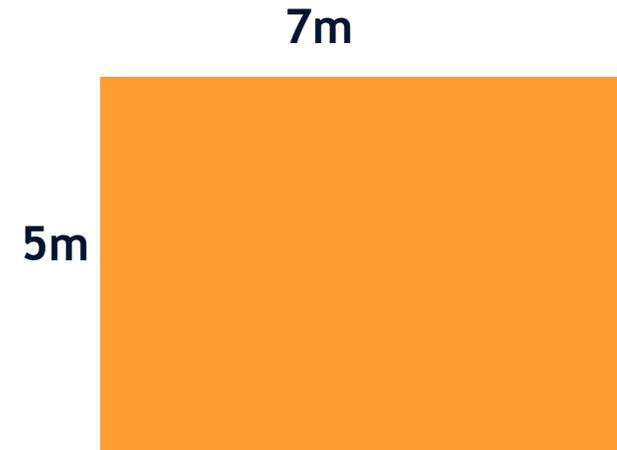
Calculate which meeting room has the largest area

Frank Whittle room



36m^2

Lady Godiva room



35m^2

Which meeting room has the largest area?

Frank Whittle room

Frank Whittle room



8m

4.5m



36m^2

Lady Godiva room



7m

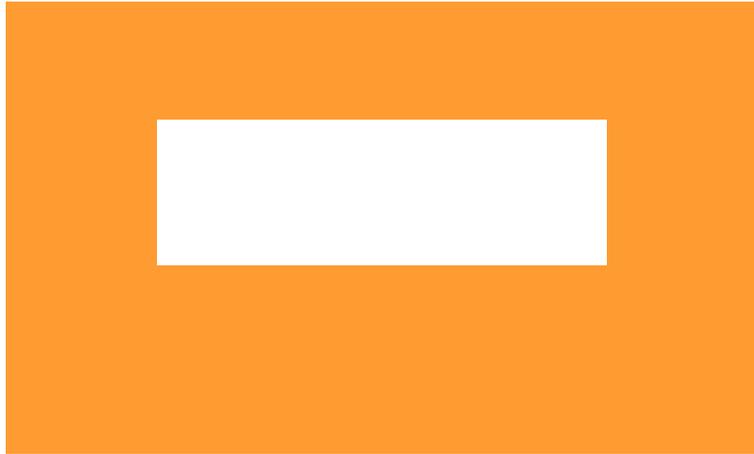
5m



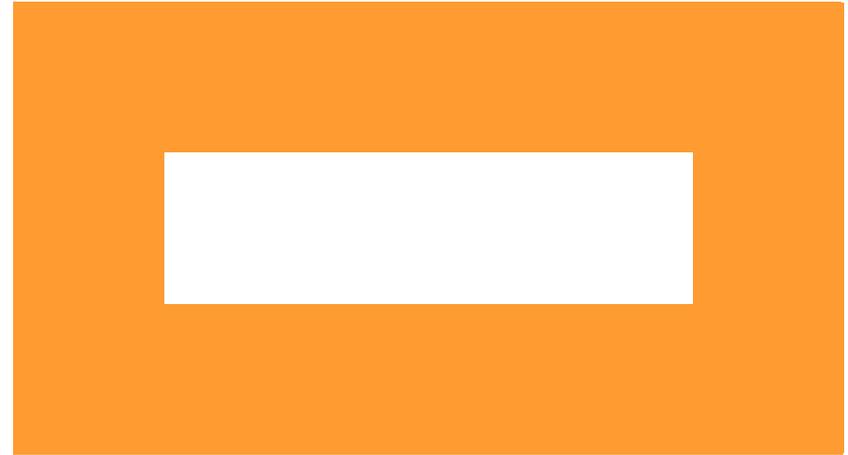
35m^2

Guess which bar has the largest area

Sunshine bar

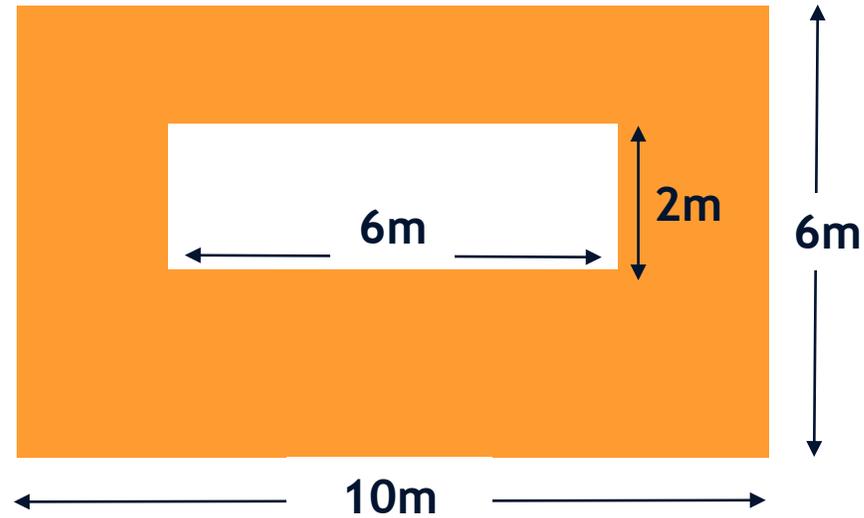


Moonlight bar

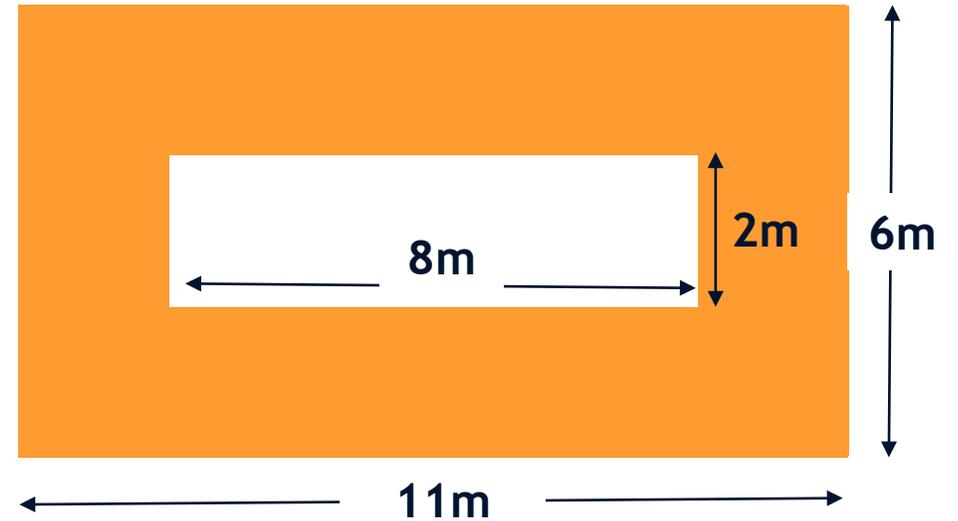


Calculate which bar has the largest area

Sunshine bar

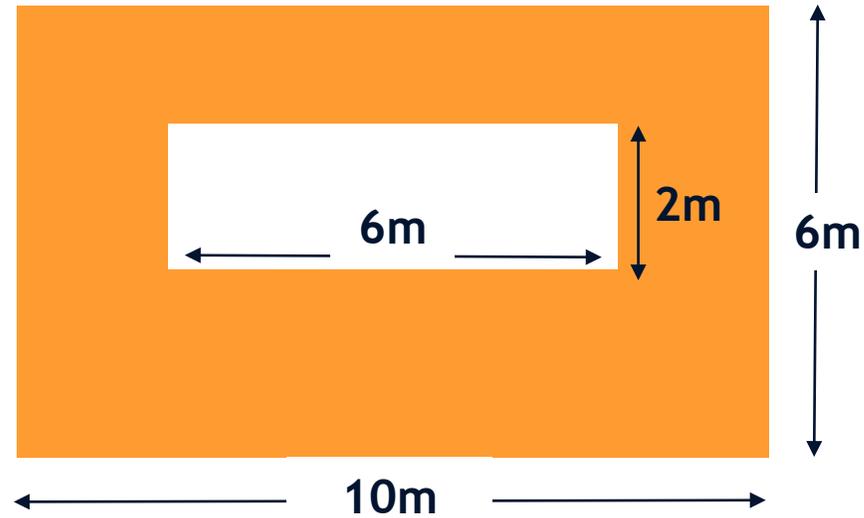


Moonlight bar



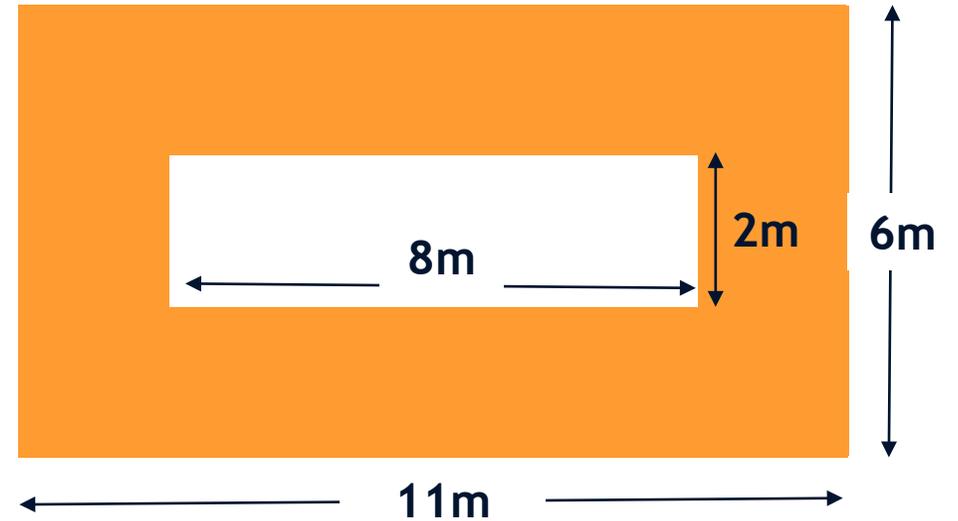
Calculate which bar has the largest area

Sunshine bar



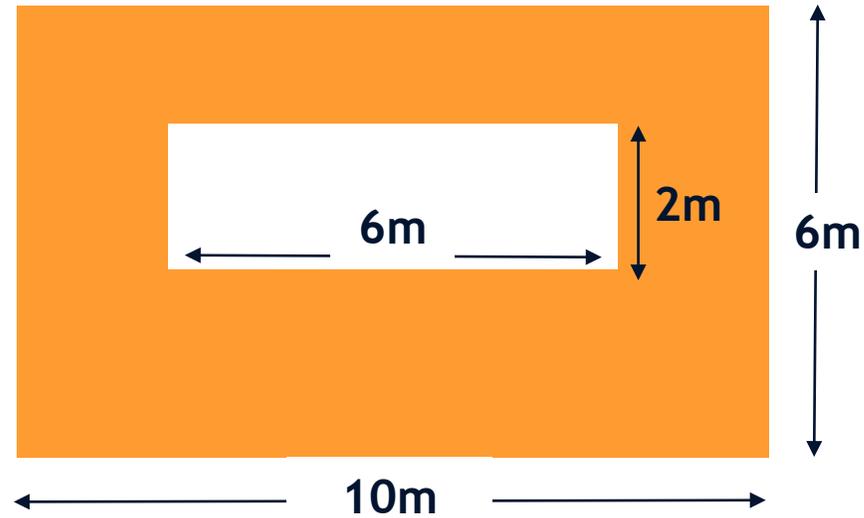
48m^2

Moonlight bar



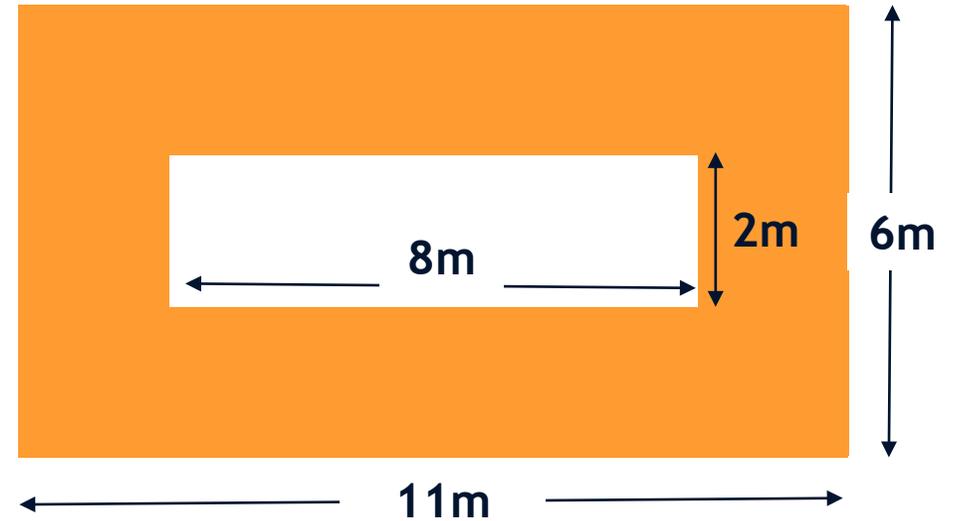
Calculate which bar has the largest area

Sunshine bar



48m^2

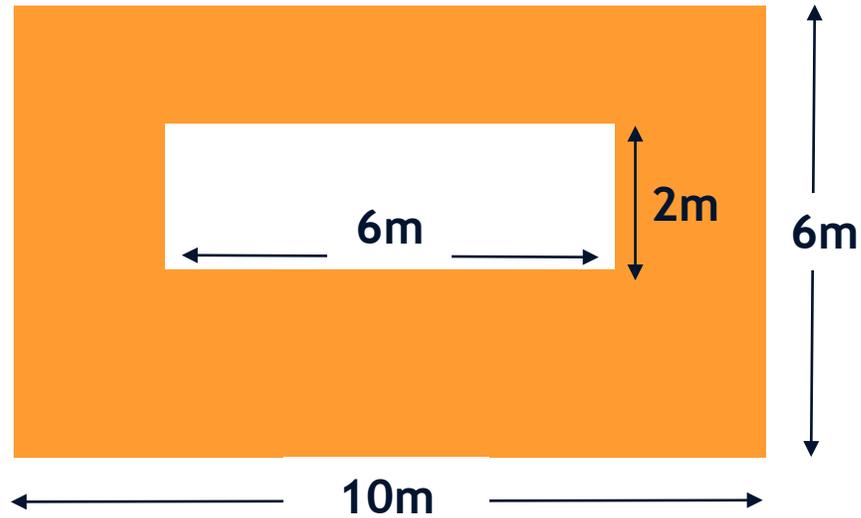
Moonlight bar



50m^2

Which bar has the largest area?

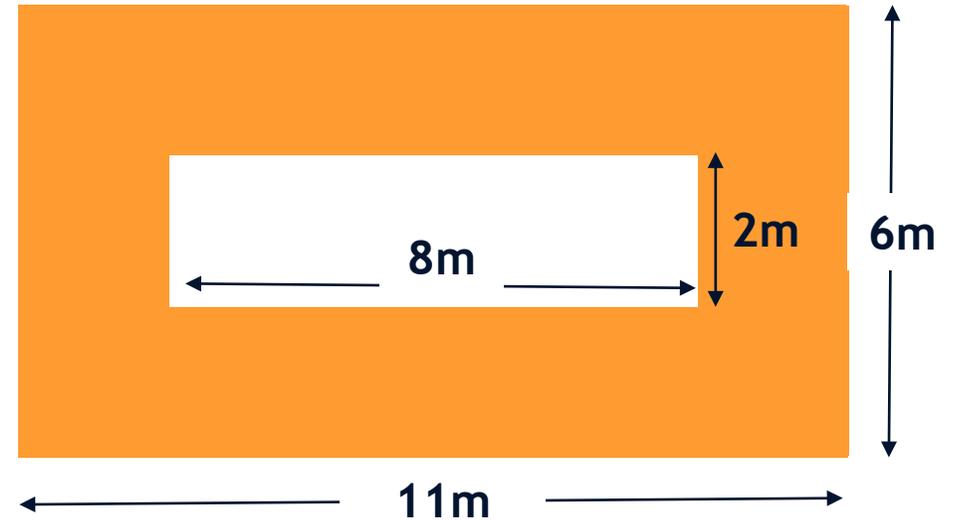
Sunshine bar



48m^2

Moonlight bar

Moonlight bar



50m^2

Guess which car park has the largest area

East car park

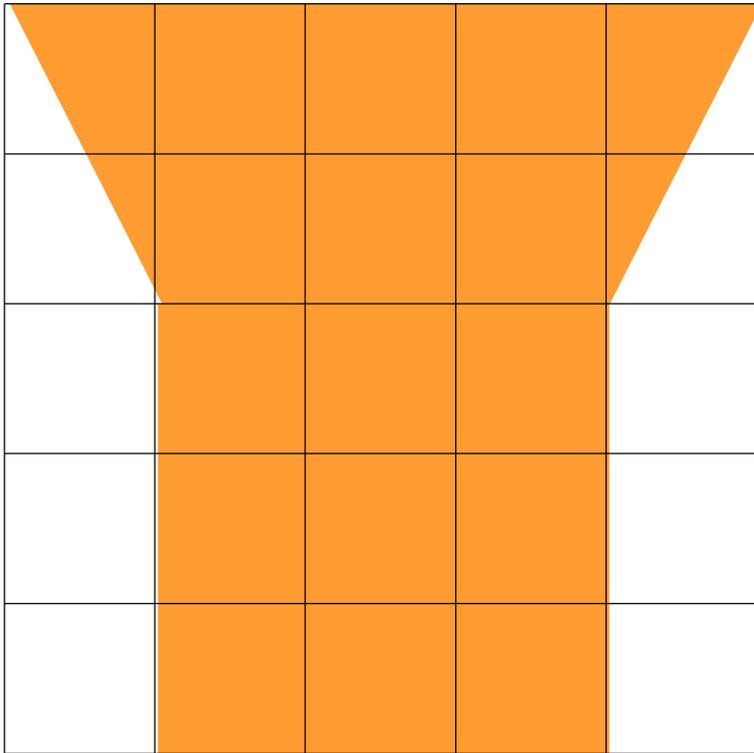


West car park

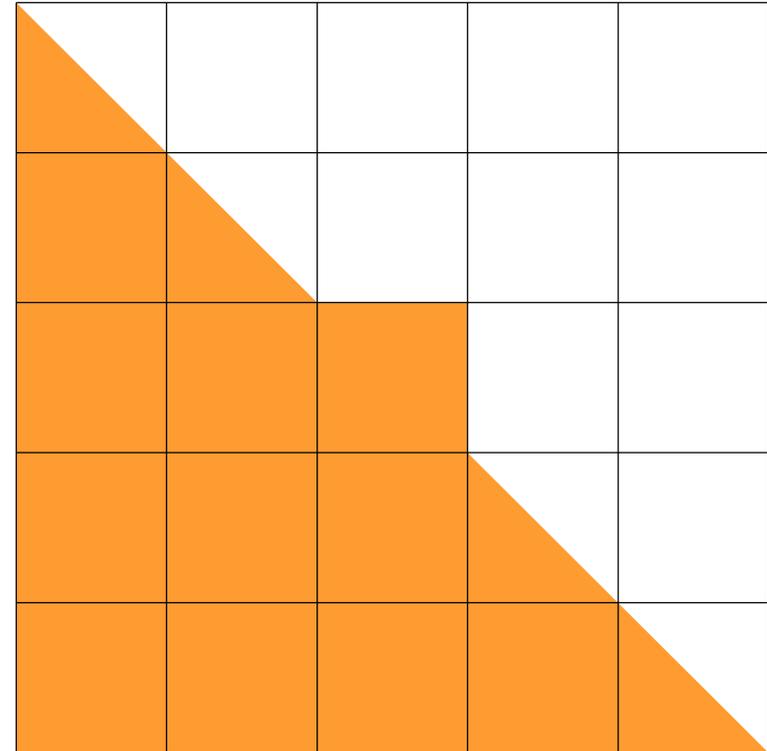


Calculate which car park has the largest area

East car park
(grid made with 100m squares)

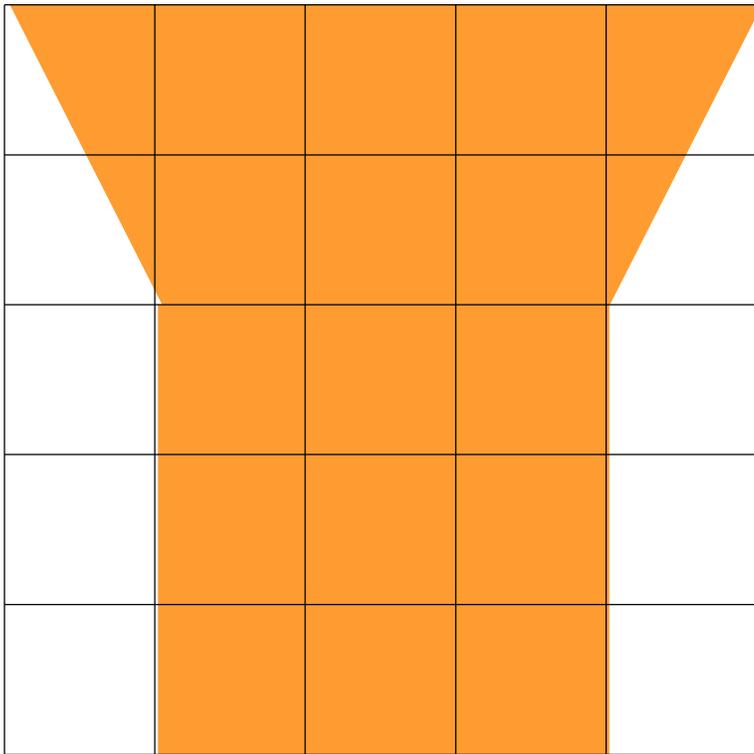


West car park
(grid made with 100m squares)



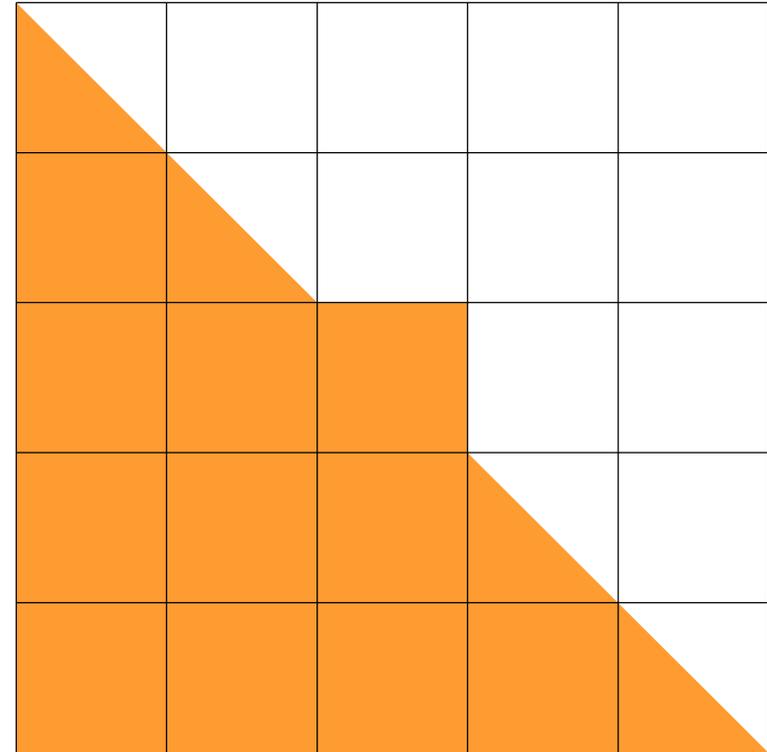
Calculate which car park has the largest area

East car park
(grid made with 100m squares)



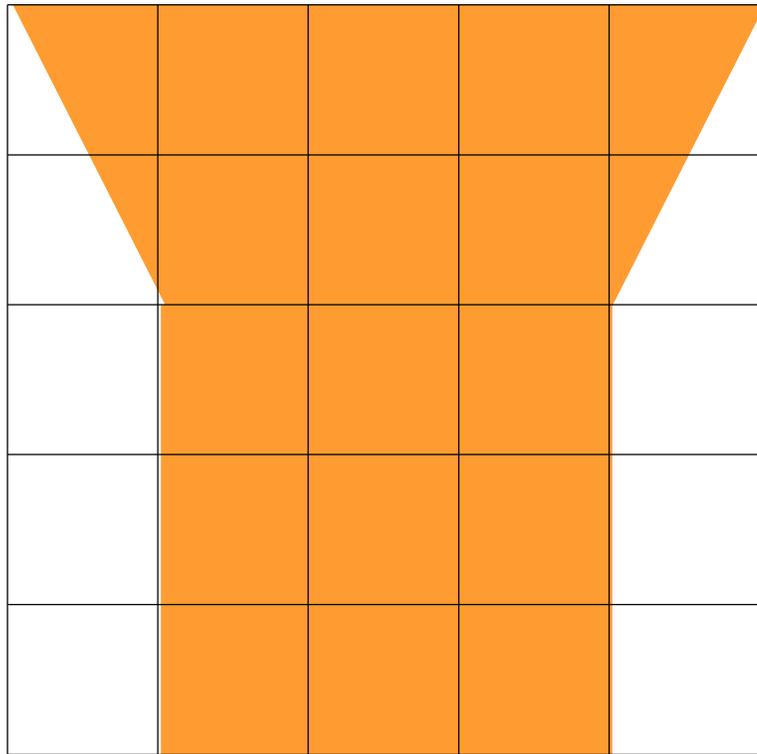
1,700m²

West car park
(grid made with 100m squares)



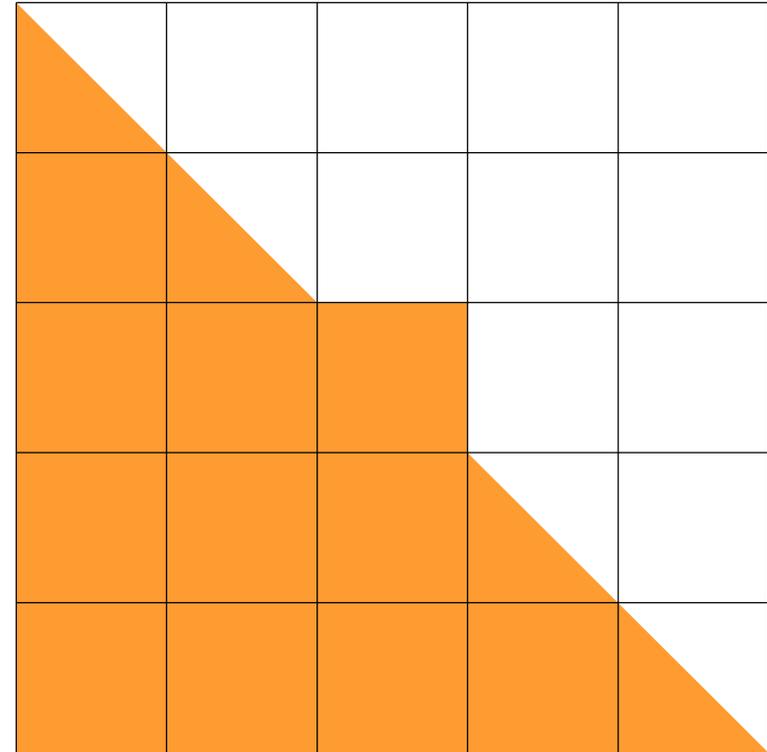
Calculate which car park has the largest area

East car park
(grid made with 100m squares)



1,700m²

West car park
(grid made with 100m squares)

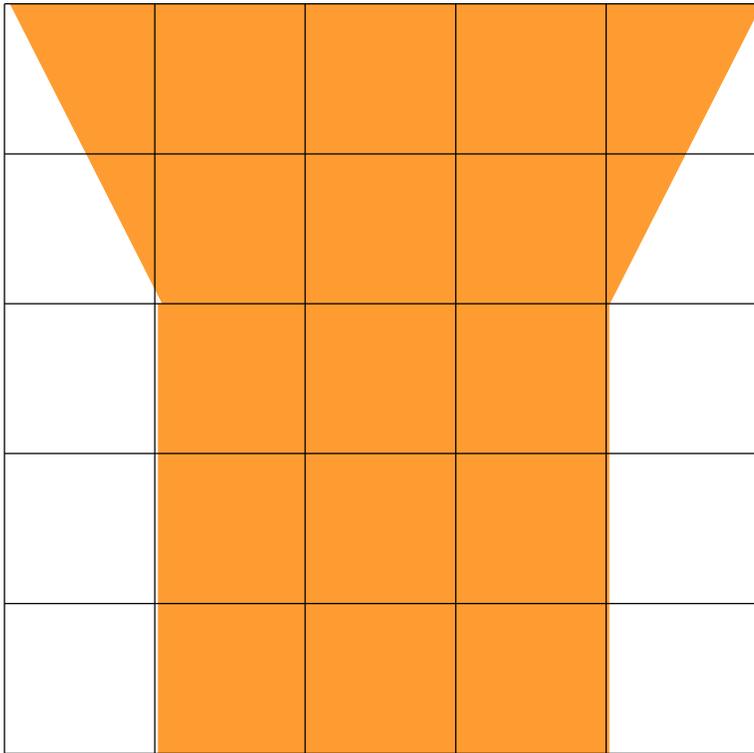


1,300m²

Which car park has the largest area?

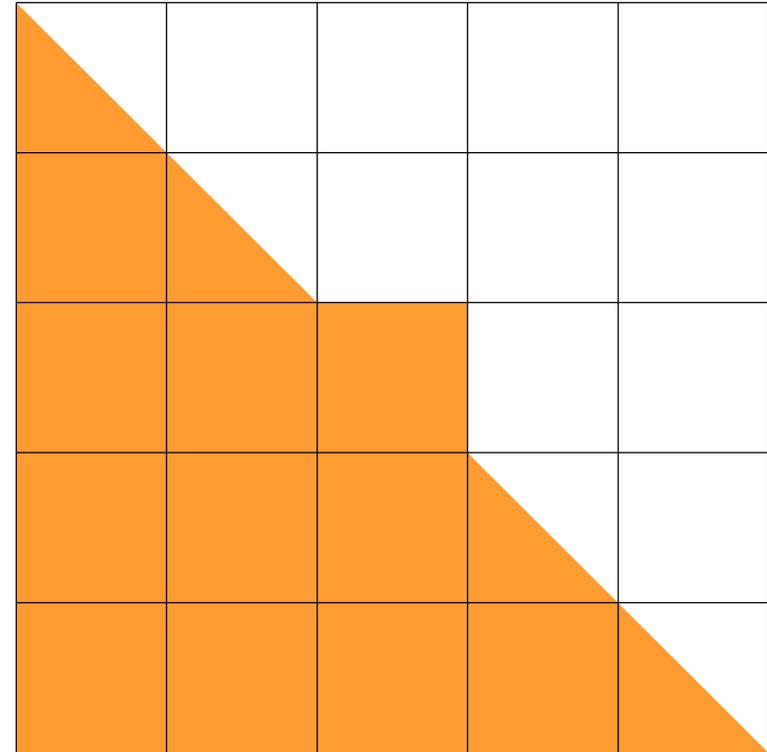
East car park

East car park
(grid made with 100m squares)



1,700m²

West car park
(grid made with 100m squares)



1,300m²

Guess the order of the hotel rooms from smallest to largest area

Deluxe room



Superior room

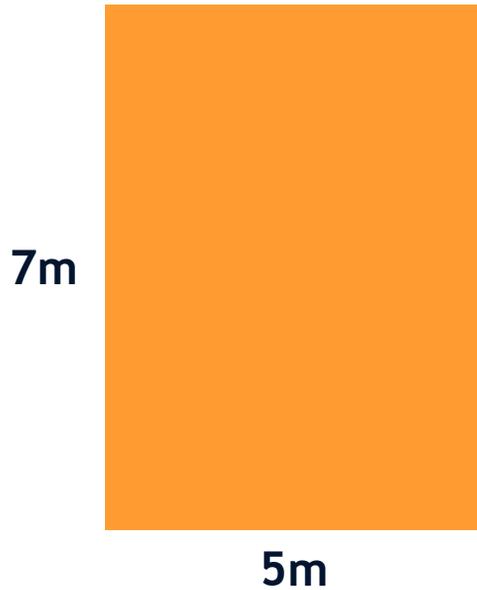


Luxurious room

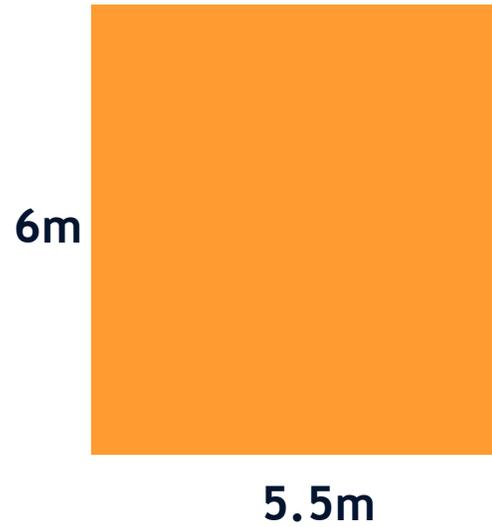


Order the hotel rooms from smallest to largest area

Deluxe room



Superior room

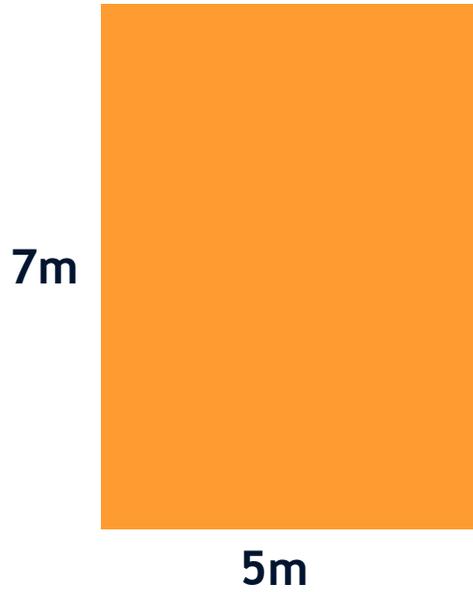


Luxurious room



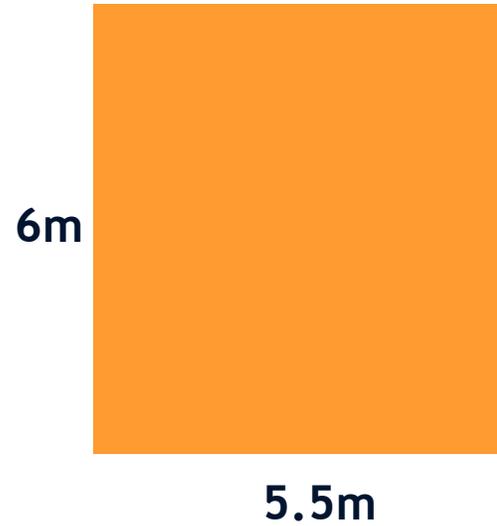
Order the hotel rooms from smallest to largest area

Deluxe room



35m²

Superior room

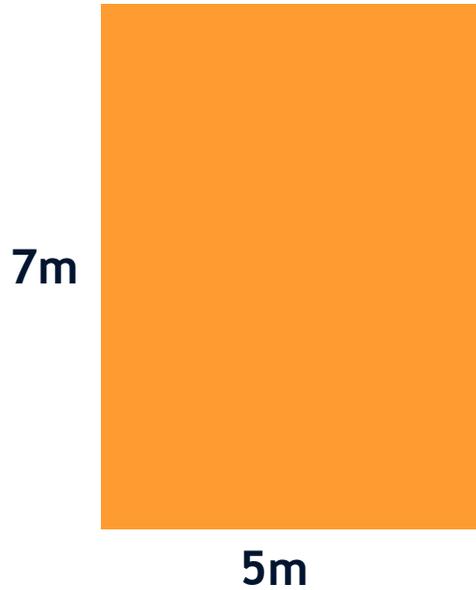


Luxurious room



Order the hotel rooms from smallest to largest area

Deluxe room



35m^2

Superior room



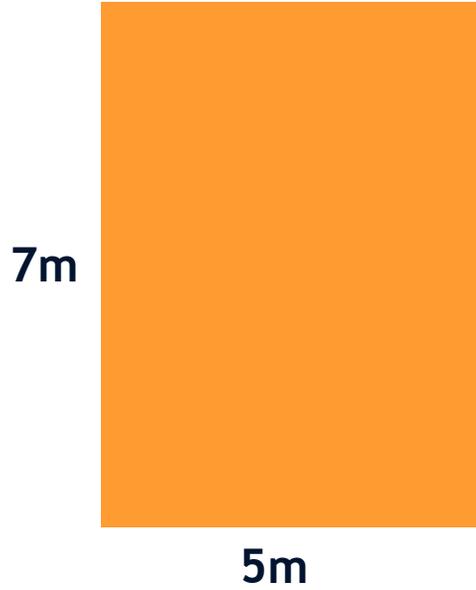
33m^2

Luxurious room



Order the hotel rooms from smallest to largest area

Deluxe room



35m²

Superior room



33m²

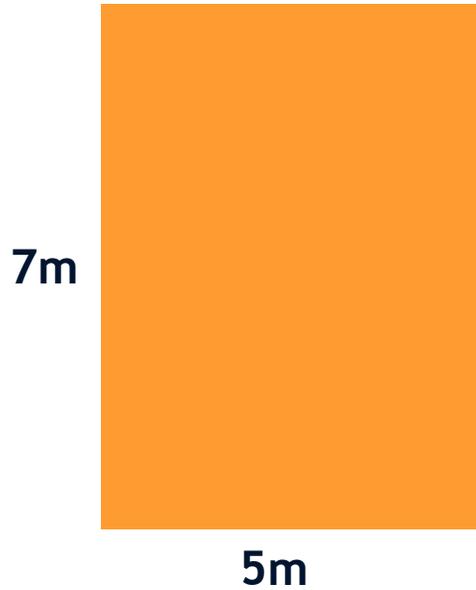
Luxurious room



36m²

Order the hotel rooms from smallest to largest area

Deluxe room



2

Superior room



1

Luxurious room



3

Did you guess
them all right?

