Year 6 Perimeter, area and volume Can you compare shapes?





Coventry Building Society Arena

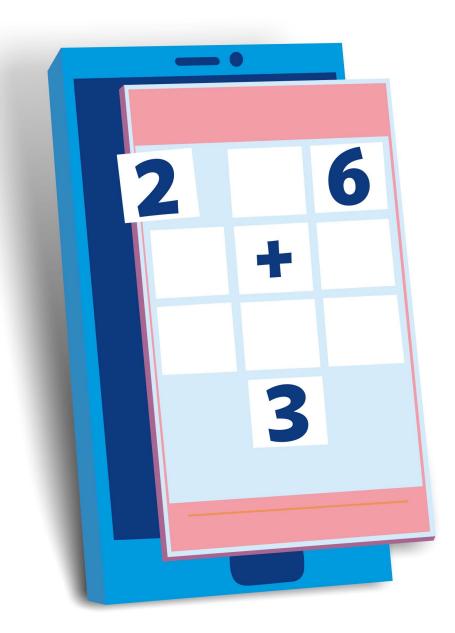
- The Arena has 32,609 seats.
- Wasps Rugby Football Club (Wasps RFC) and Coventry City Football Club (CCFC) play games at the Arena.
- Music events are held there.
- The complex includes a 6,000 square metre exhibition hall.
- There's also a hotel and casino.



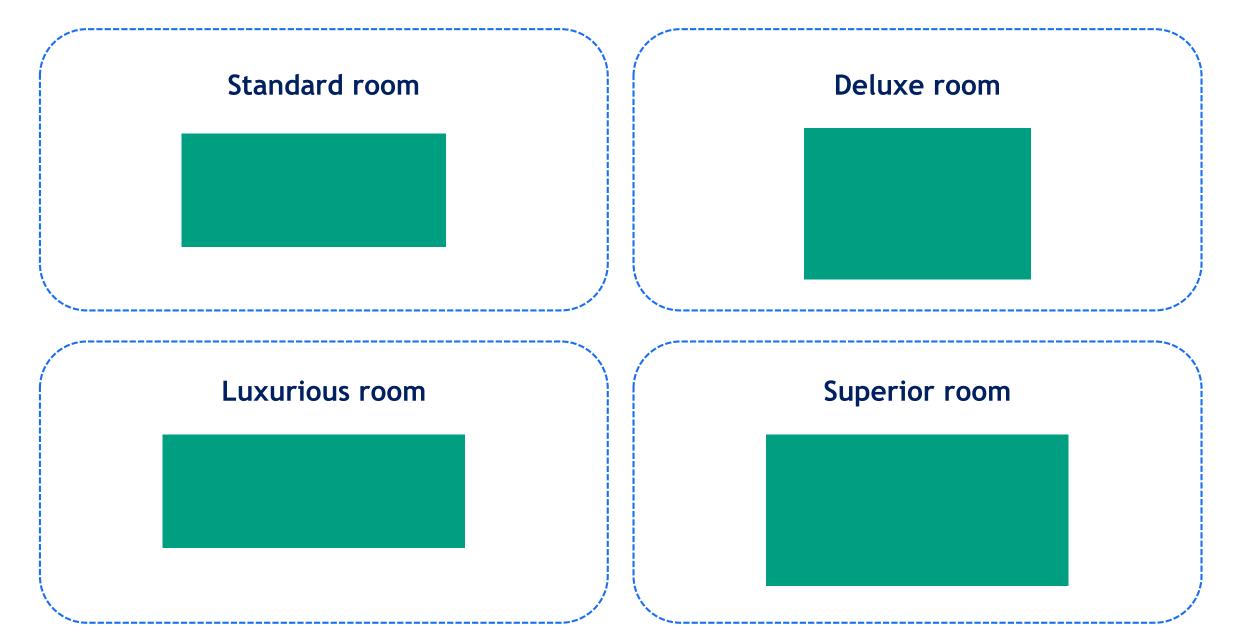
The quiz

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

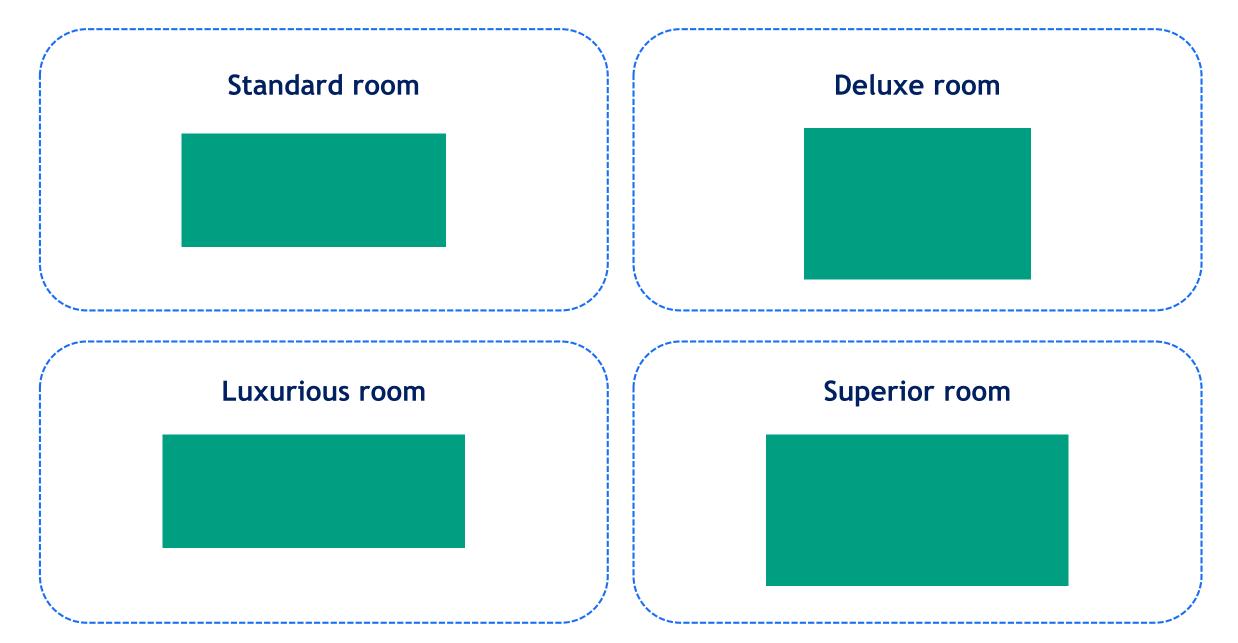
Can you guess them all right?



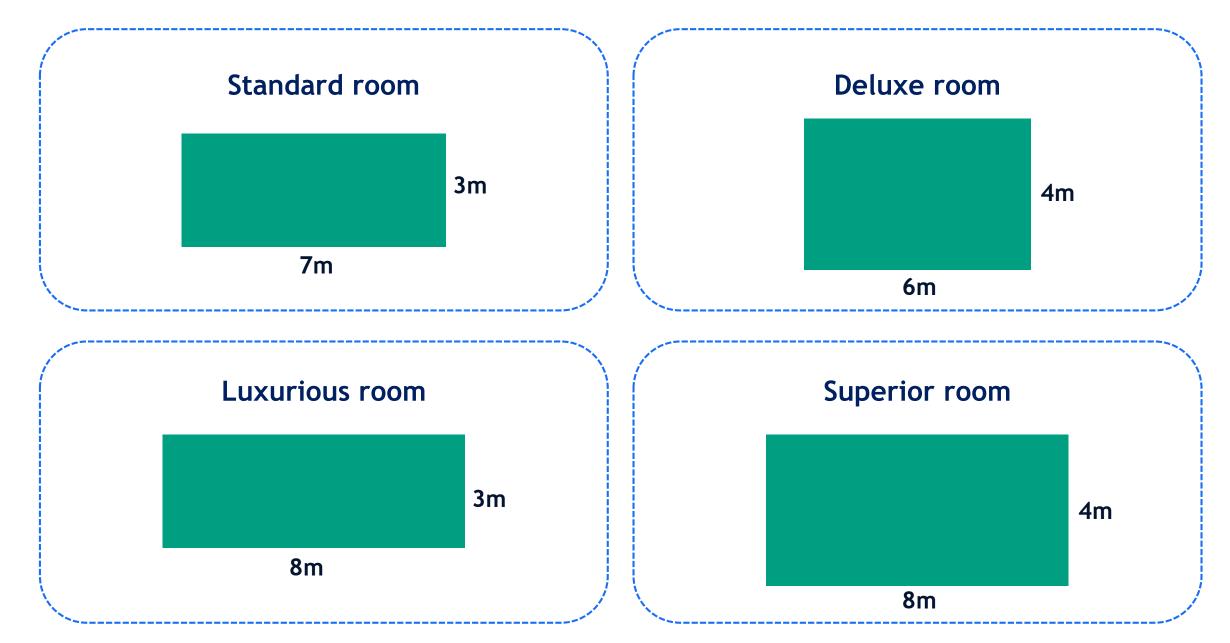
Which of the 2 hotel rooms looks like they have the same perimeter?



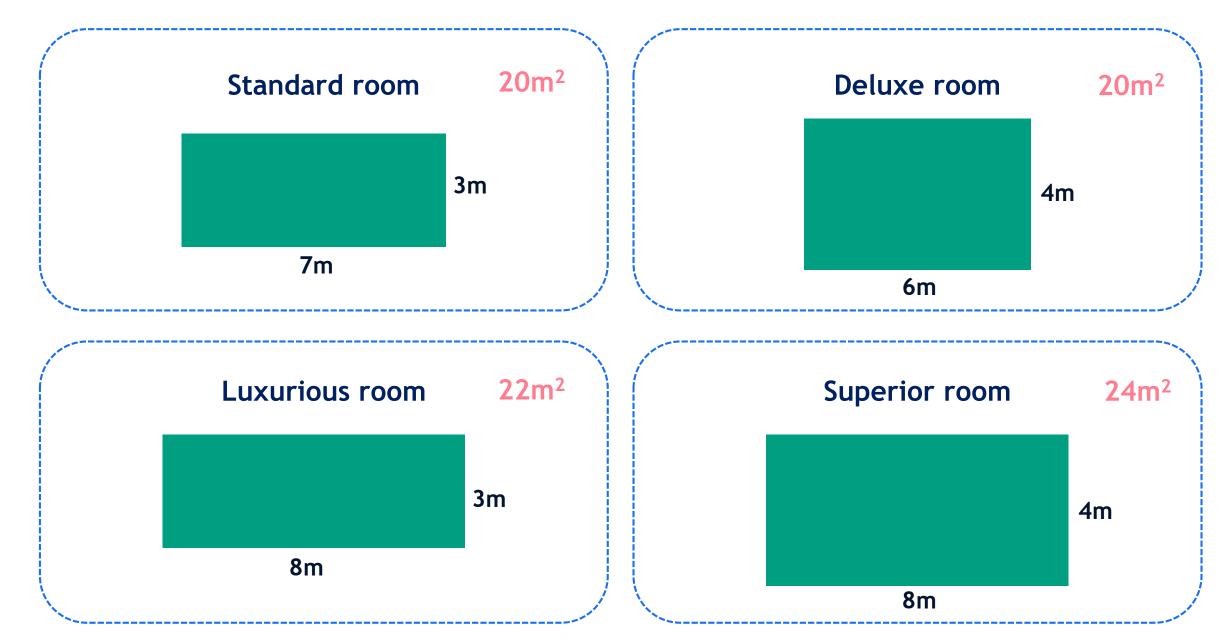
Which of the 2 hotel rooms looks like they have the same area?



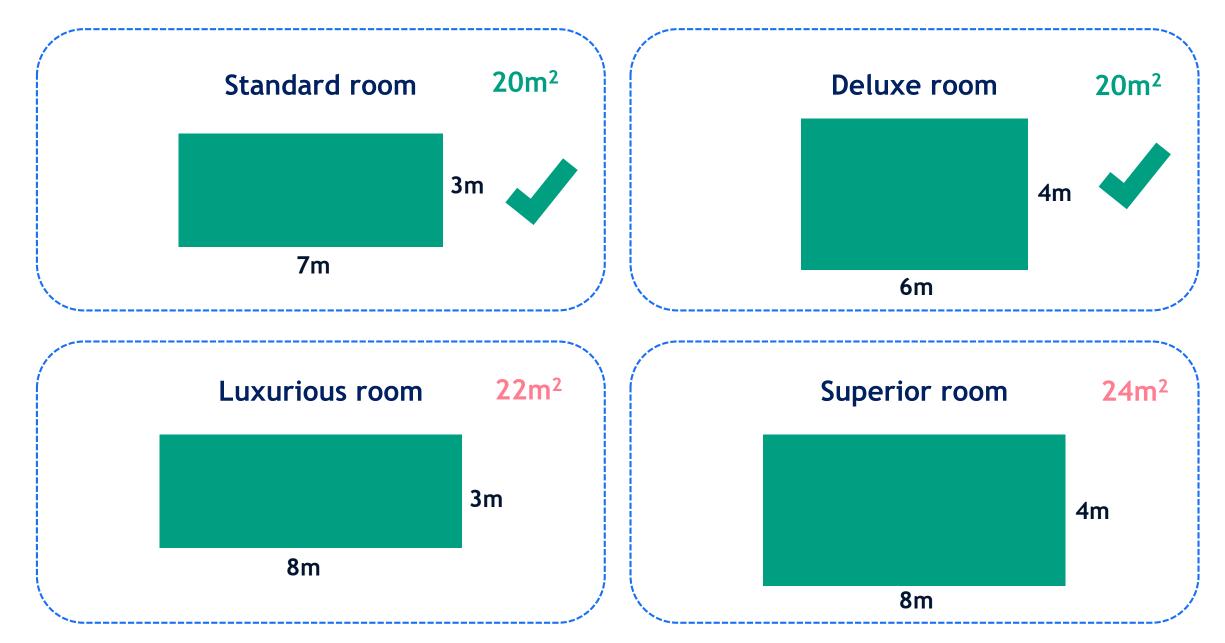
Calculate the perimeter of all 4 hotel rooms



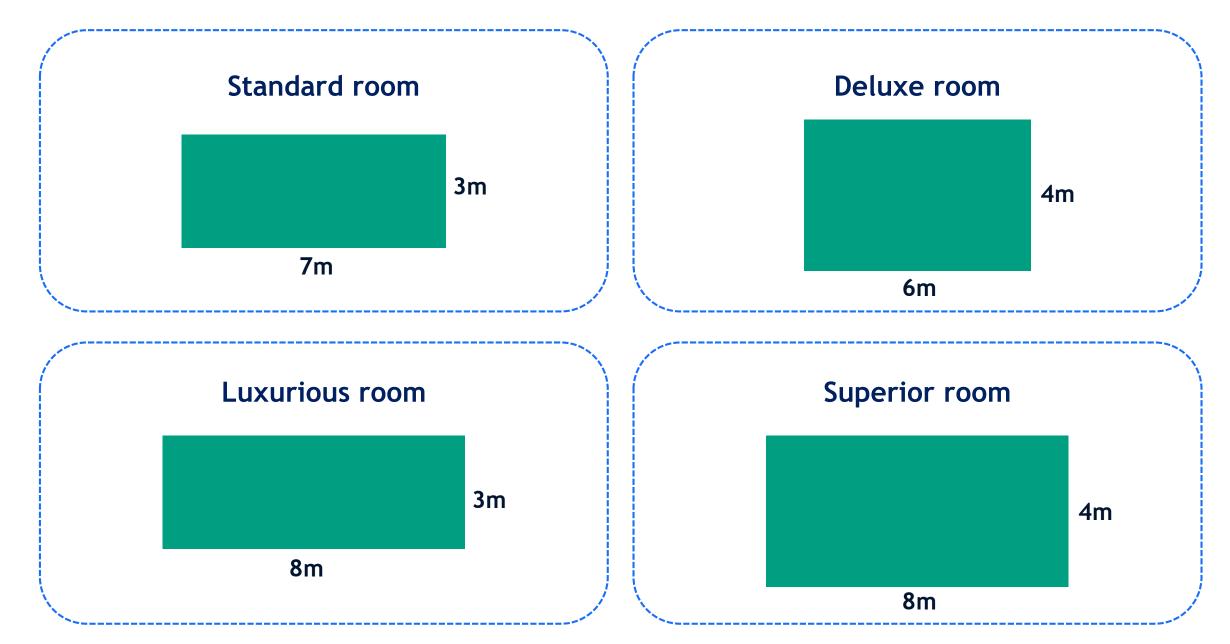
Calculate the perimeter of all 4 hotel rooms



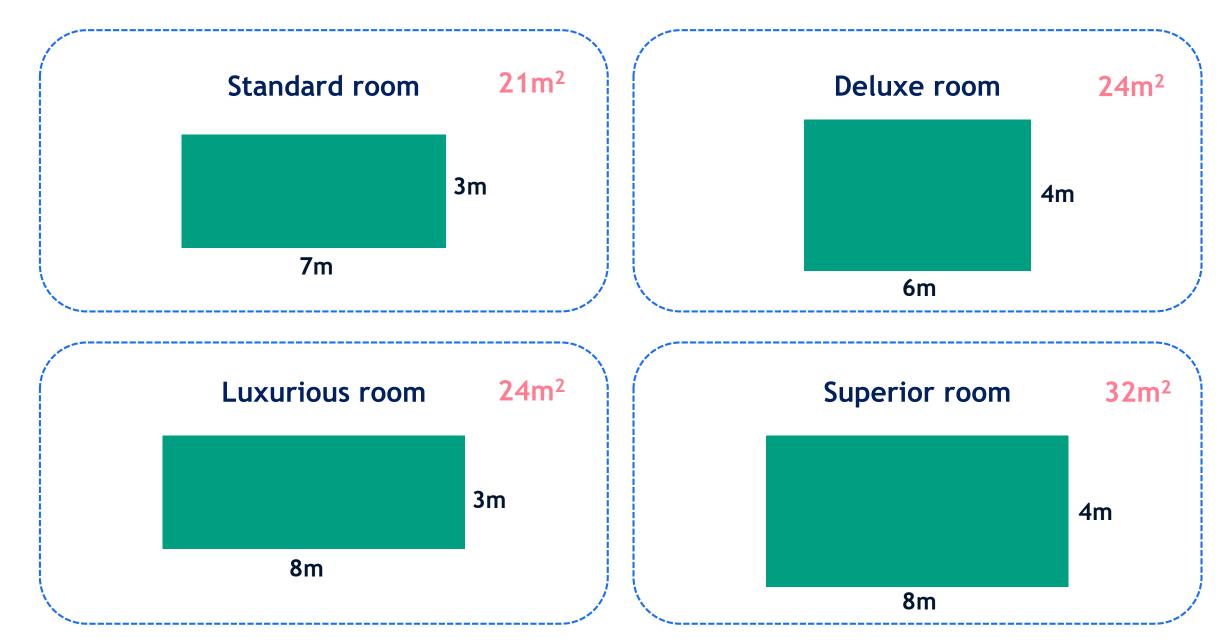
Calculate the perimeter of all 4 hotel rooms Standard and Deluxe



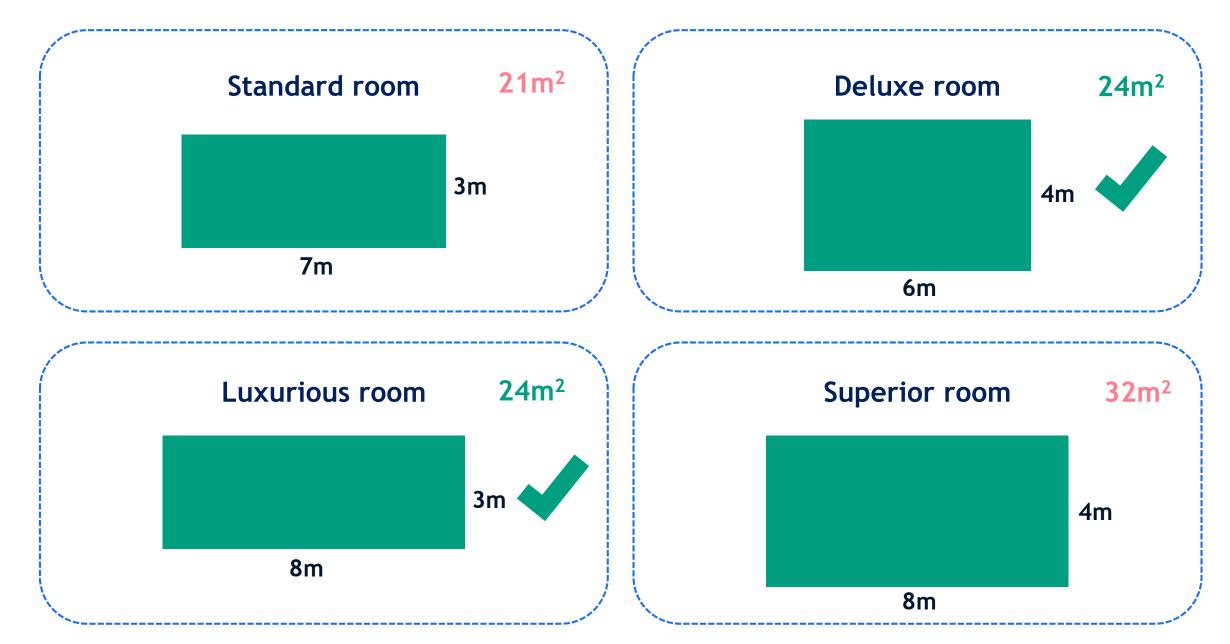
Calculate the area of all 4 hotel rooms



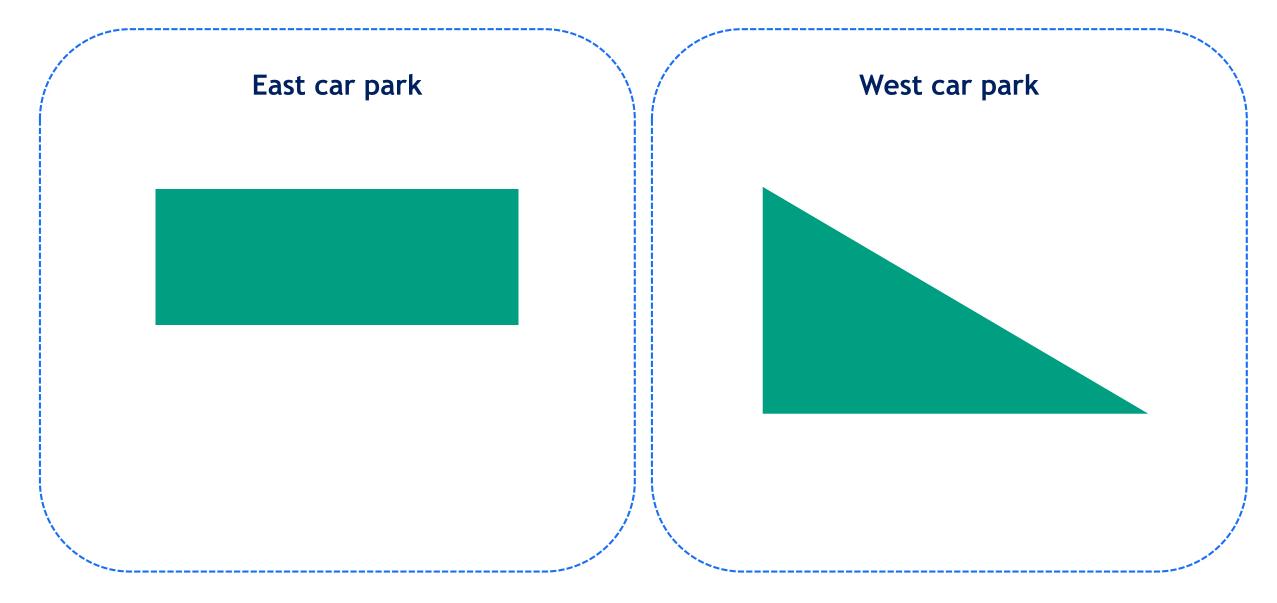
Calculate the area of all 4 hotel rooms



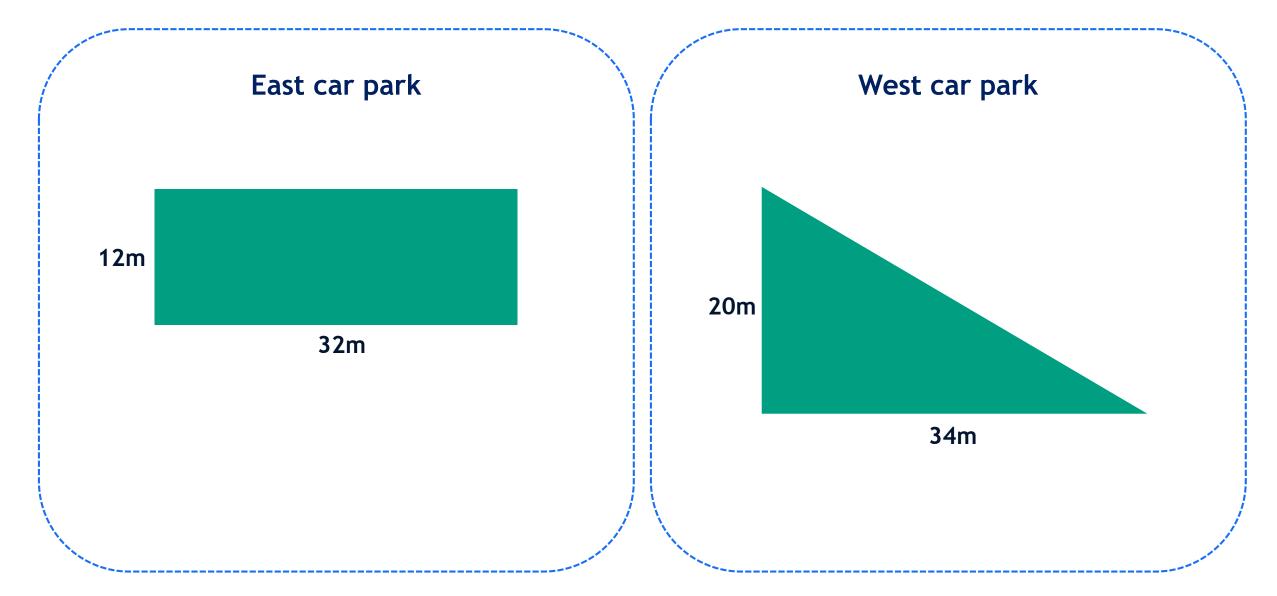
Calculate the area of all 4 hotel rooms Deluxe and Luxurious



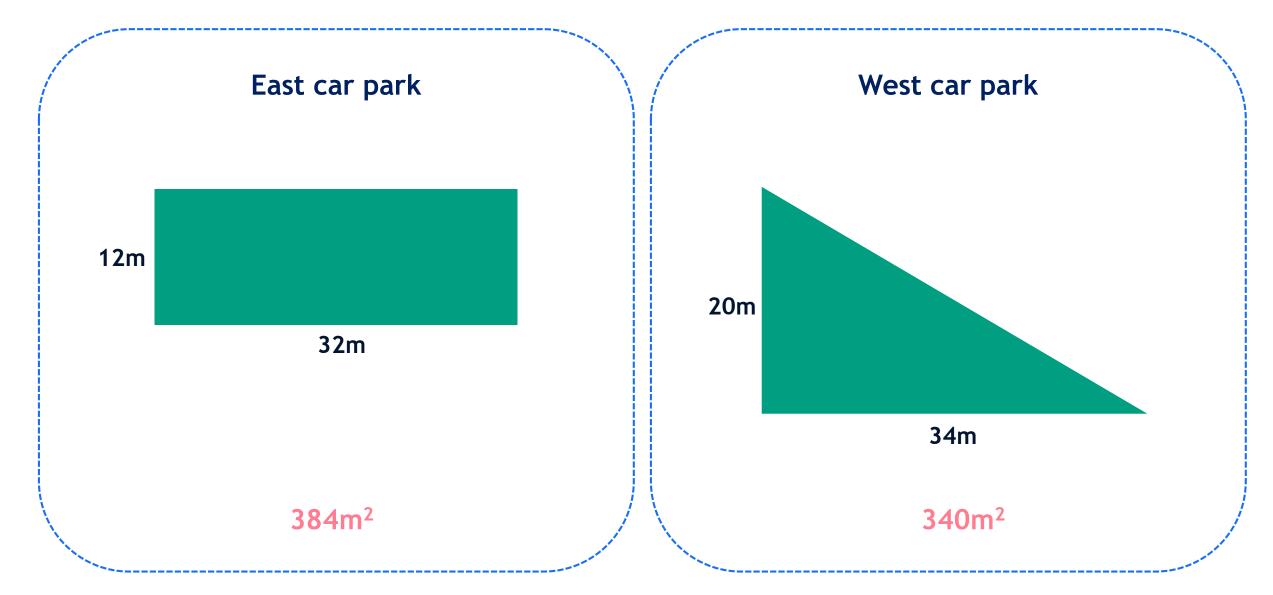
Guess which car park has the largest area



Calculate which car park has the largest area

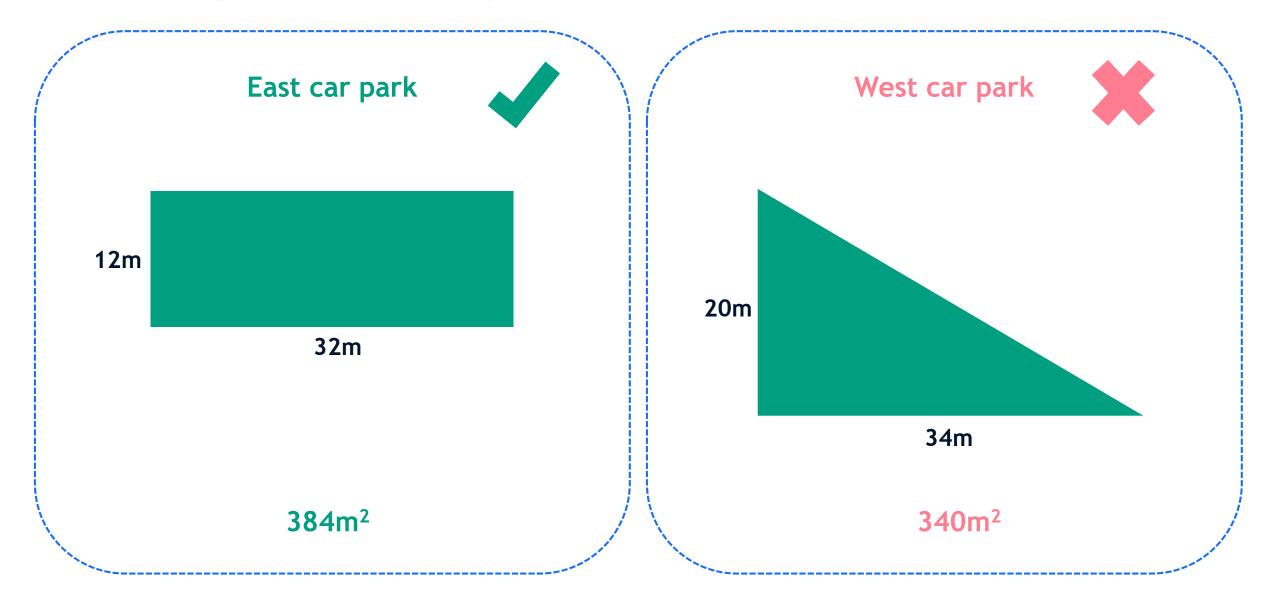


Calculate which car park has the largest area

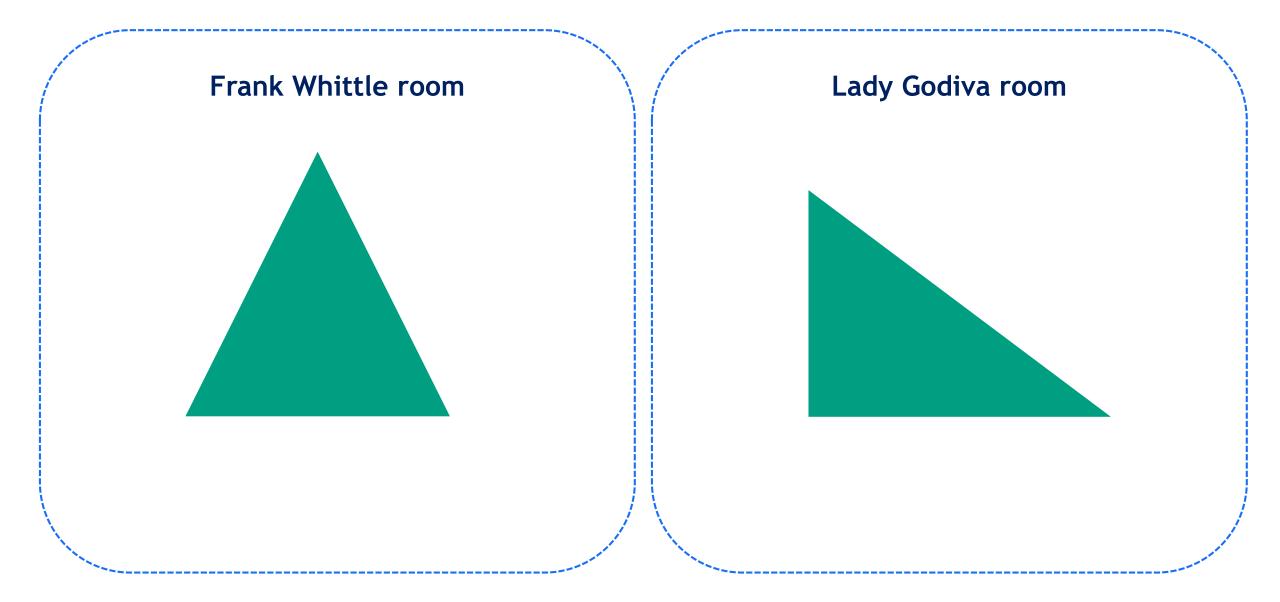


Which car park has the largest area?

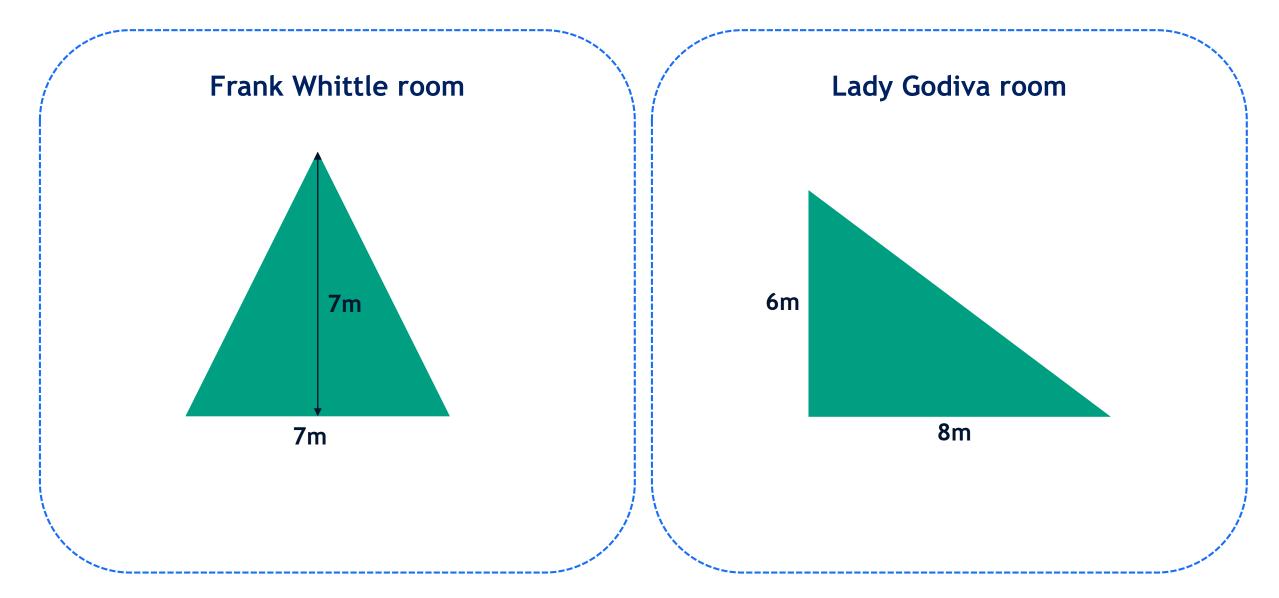
East car park



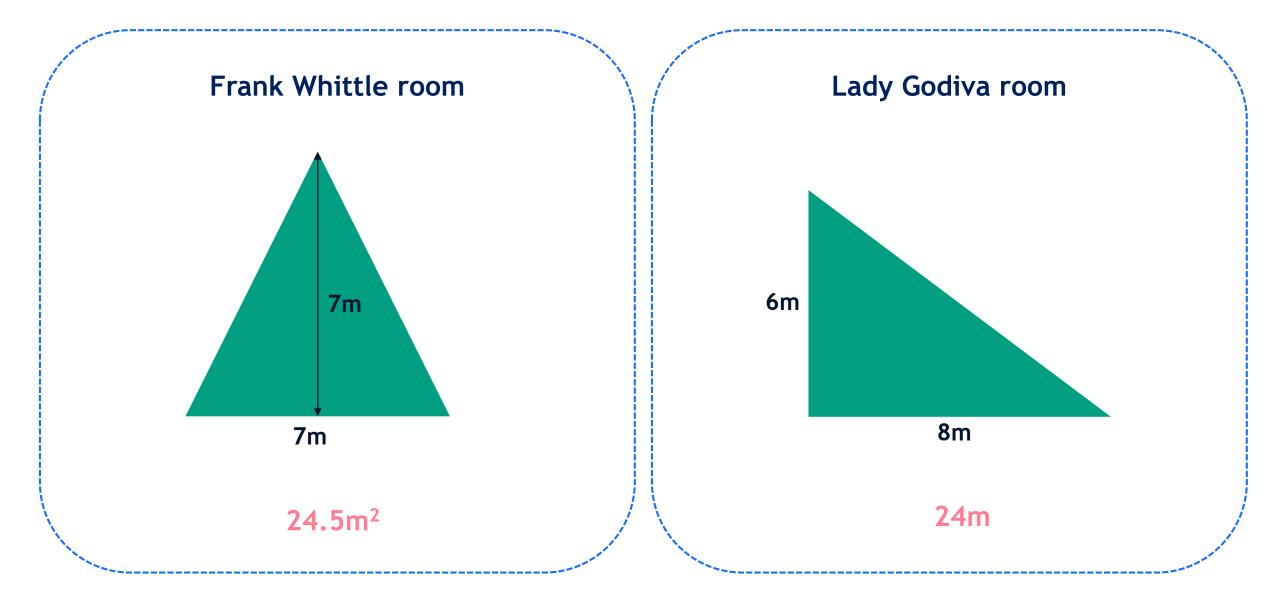
Guess which meeting room has the largest area



Calculate which meeting room has the largest area



Calculate which meeting room has the largest area

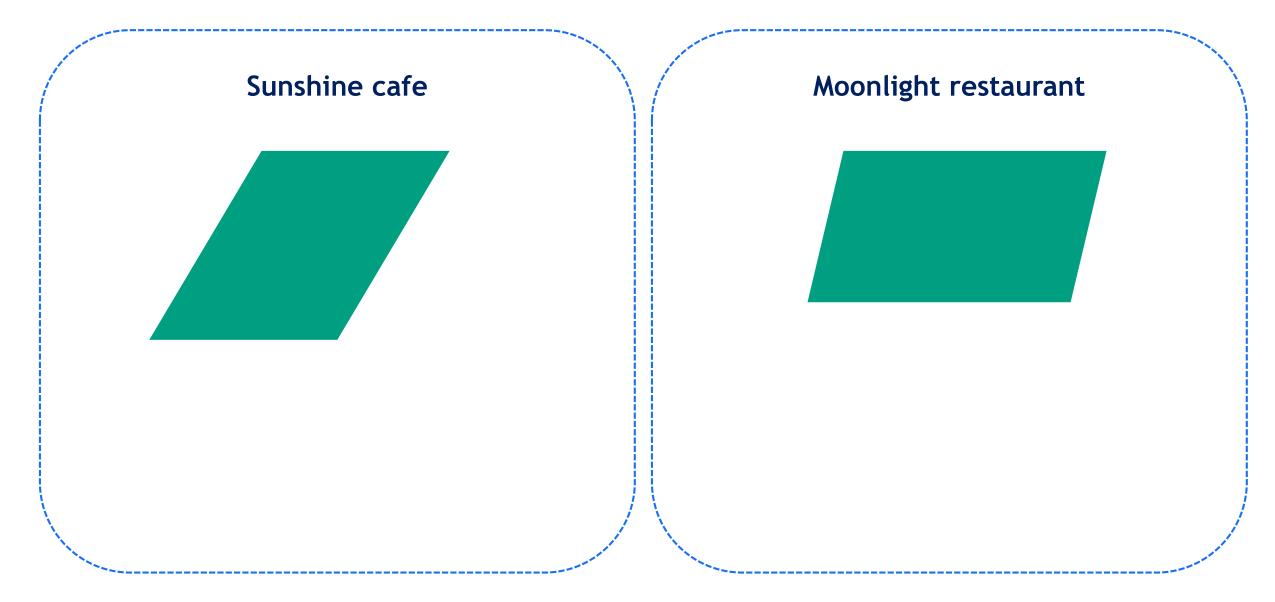


Frank Whittle room Lady Godiva room **6**m **7**m **8**m **7**m 24m 24.5m²

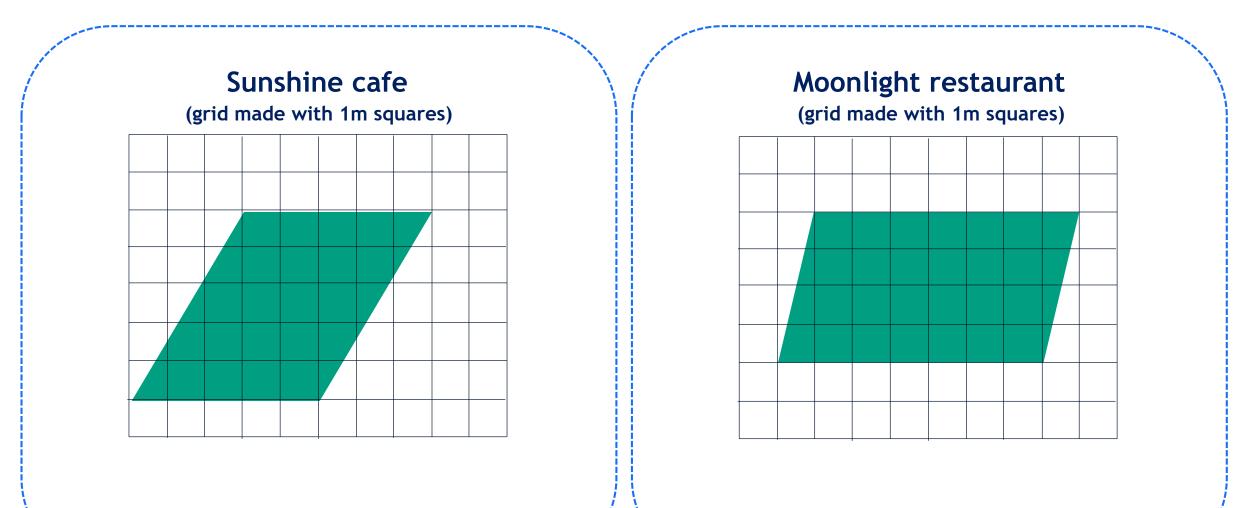
Which meeting room has the largest area?

Frank Whittle room

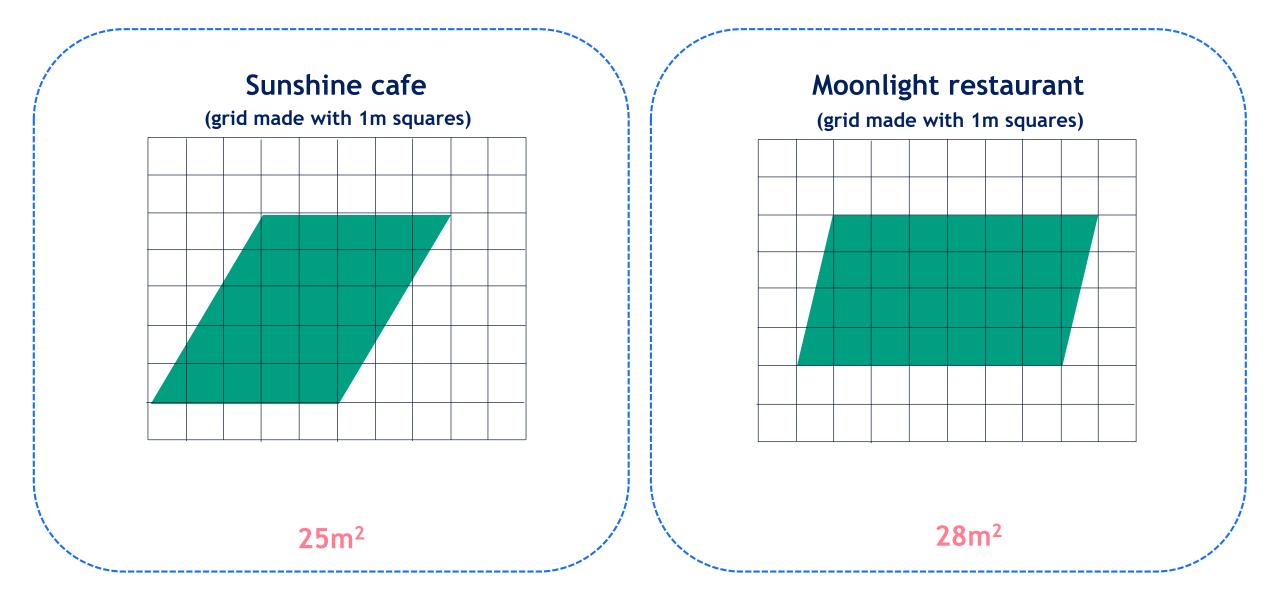
Guess which restaurant has the largest area



Calculate which restaurant has the largest area

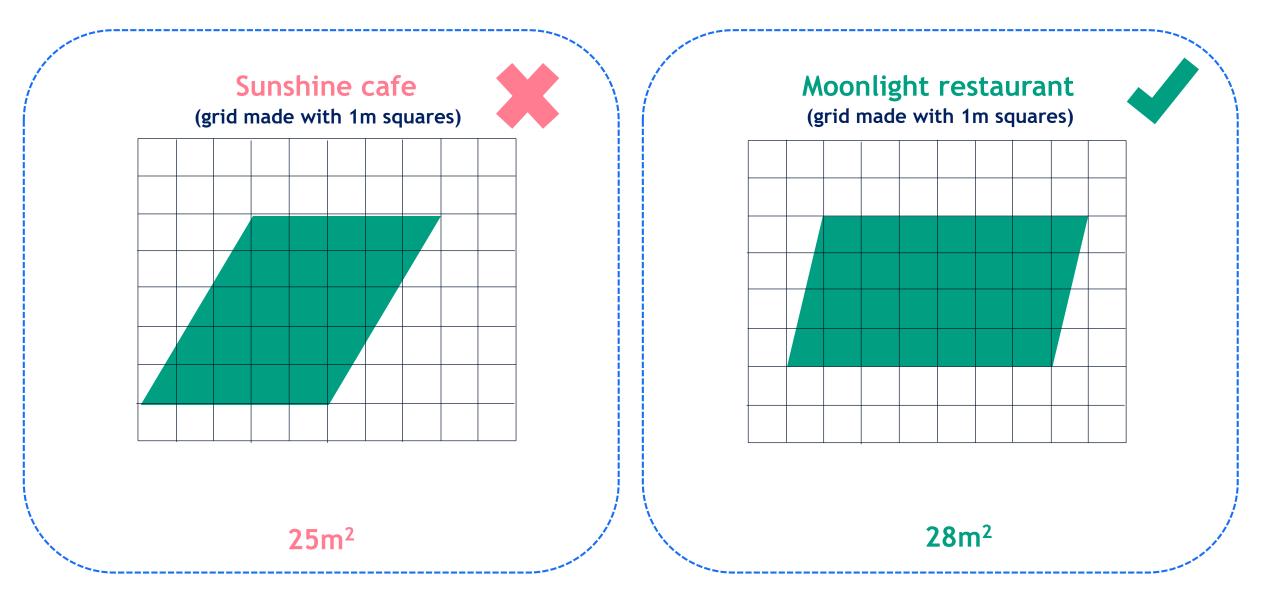


Calculate which restaurant has the largest area

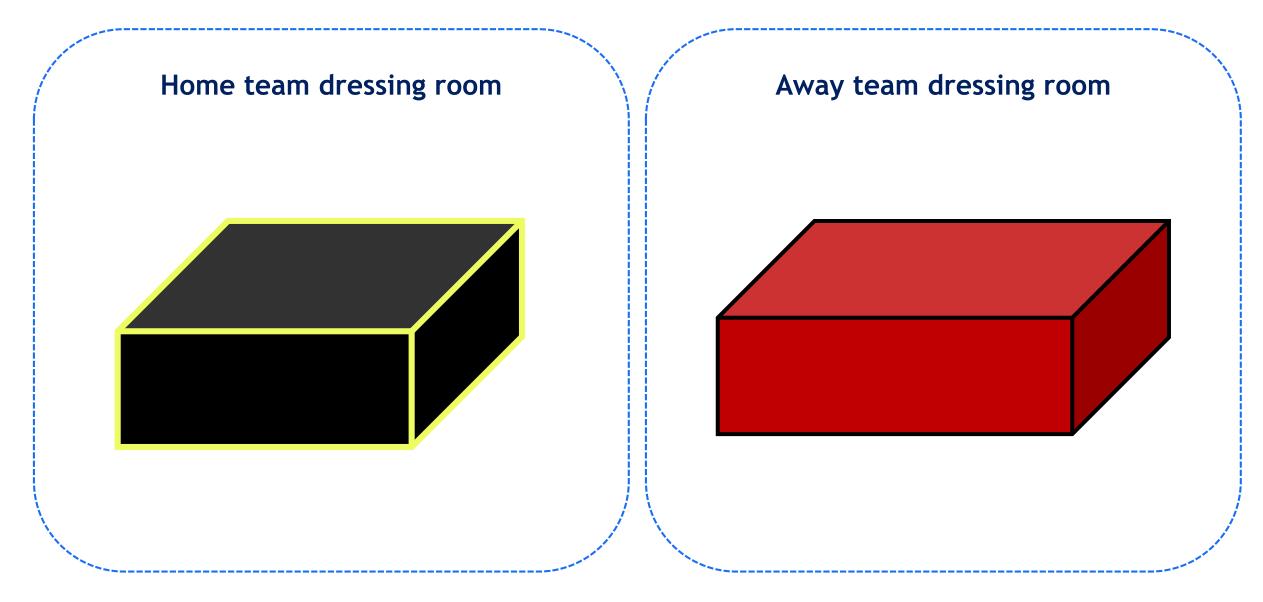


Which restaurant has the largest area?

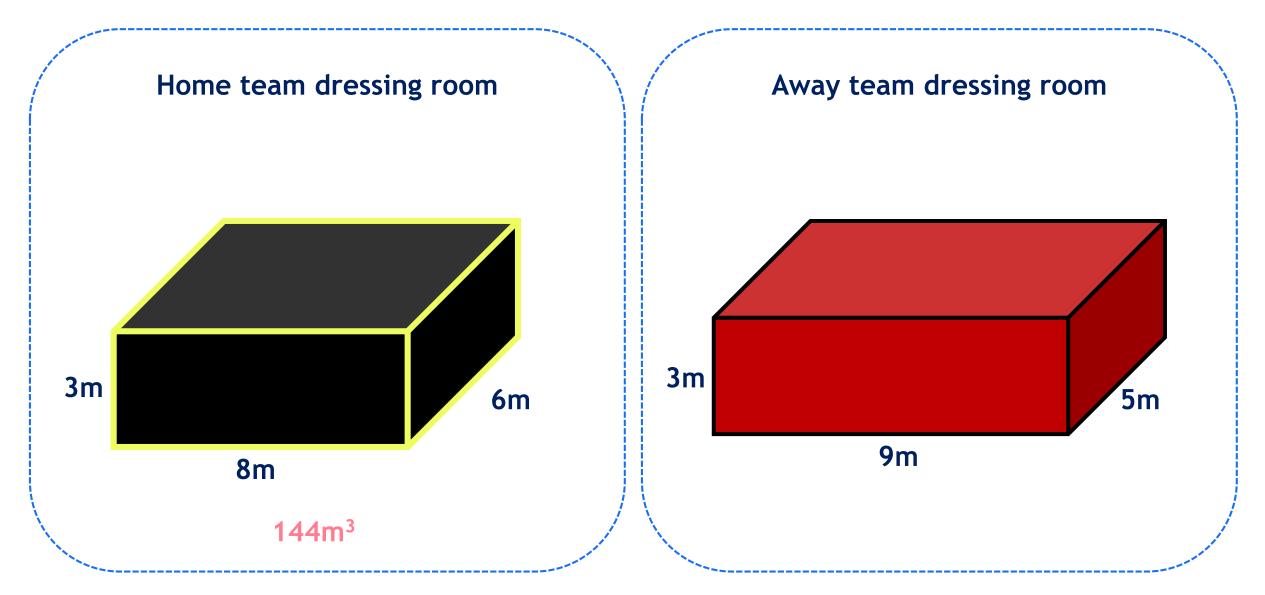
Moonlight restaurant



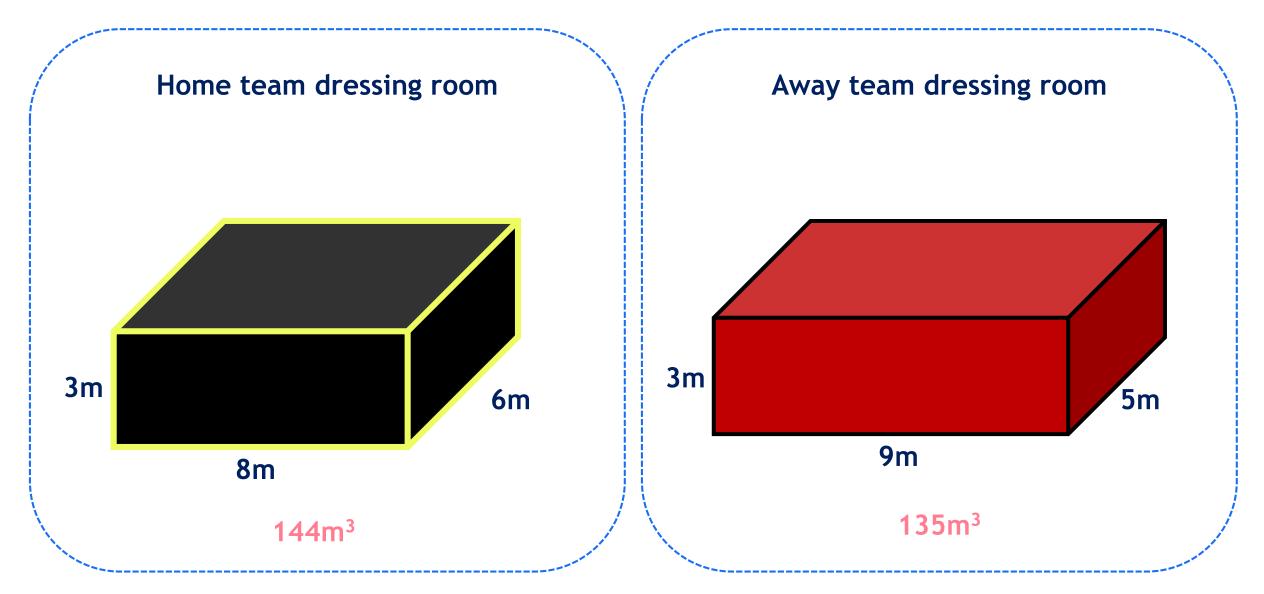
Guess which building has the largest volume



Calculate which building has the largest volume

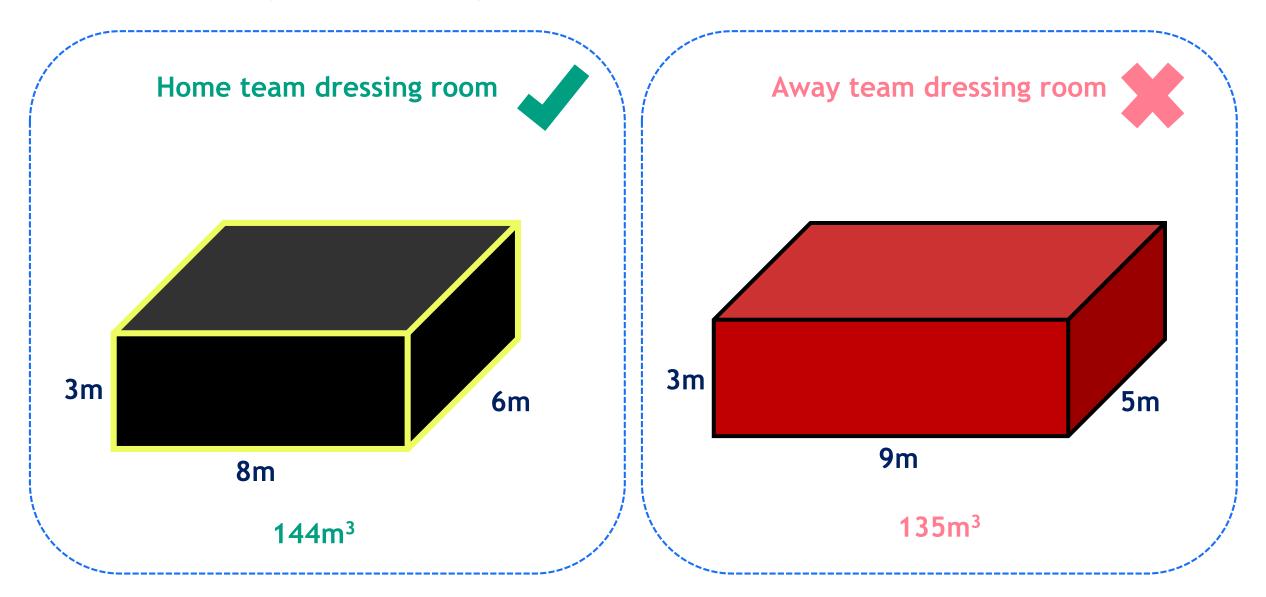


Calculate which building has the largest volume

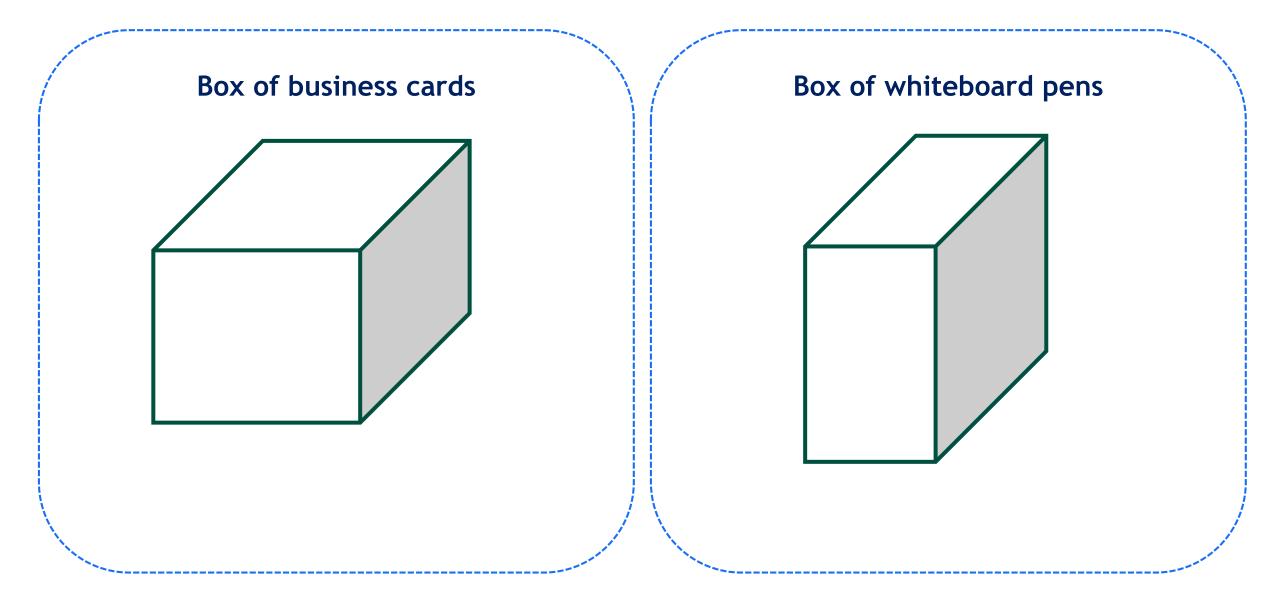


Which building has the largest volume?

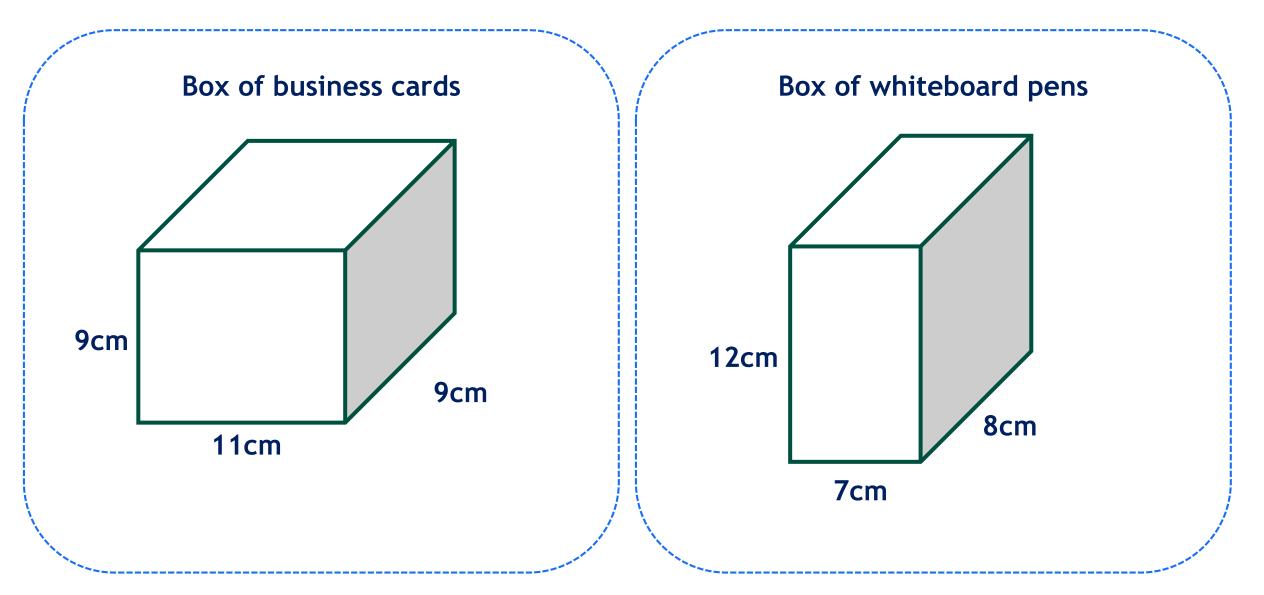
Home team dressing room



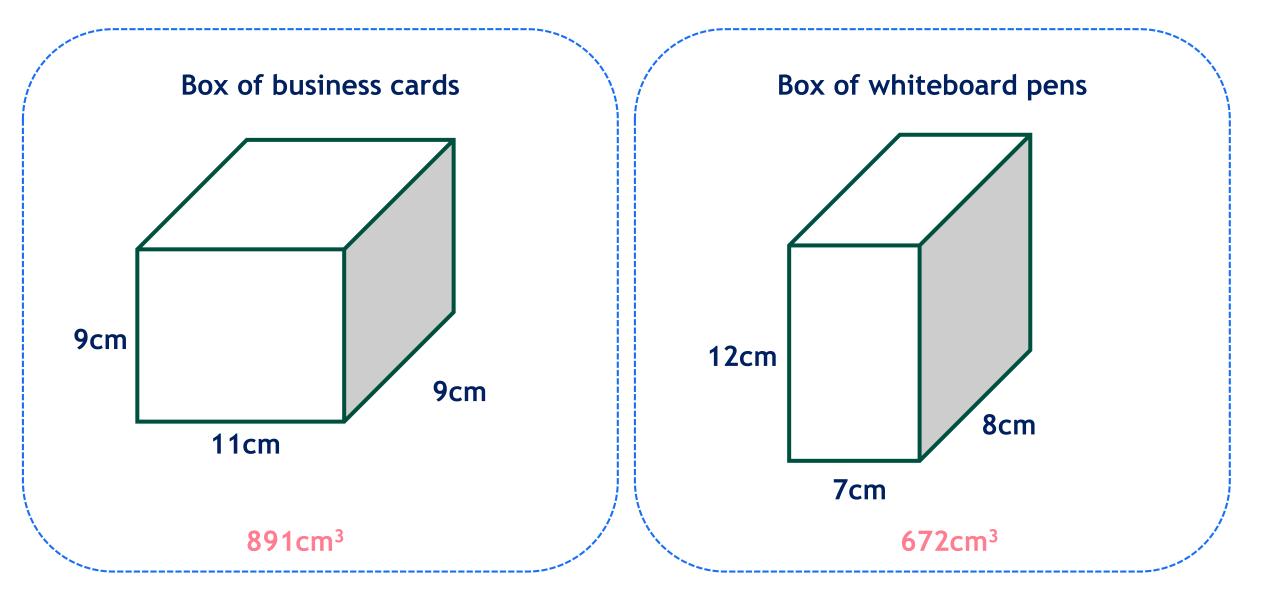
Guess which stationery item has the largest volume



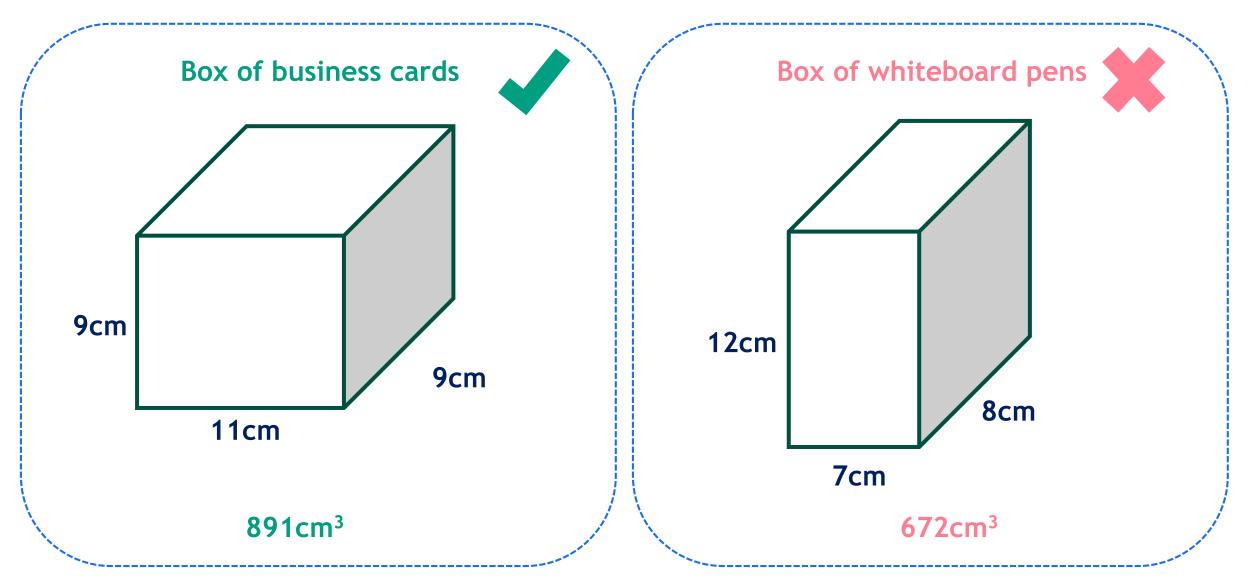
Calculate which stationery item has the largest volume



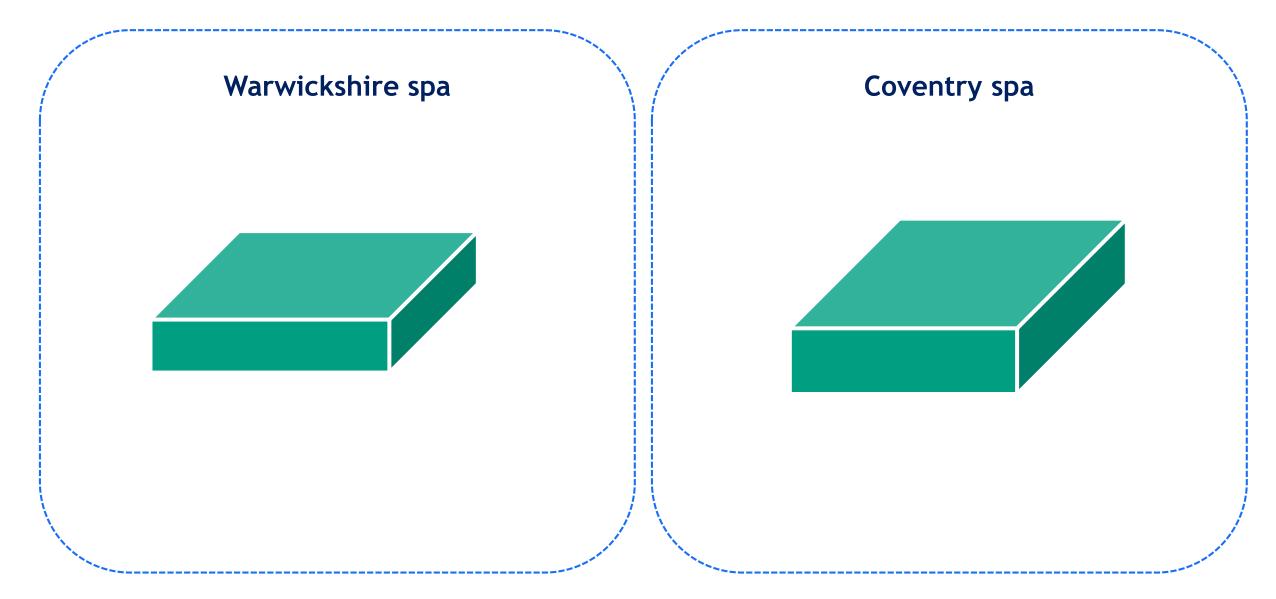
Calculate which stationery item has the largest volume



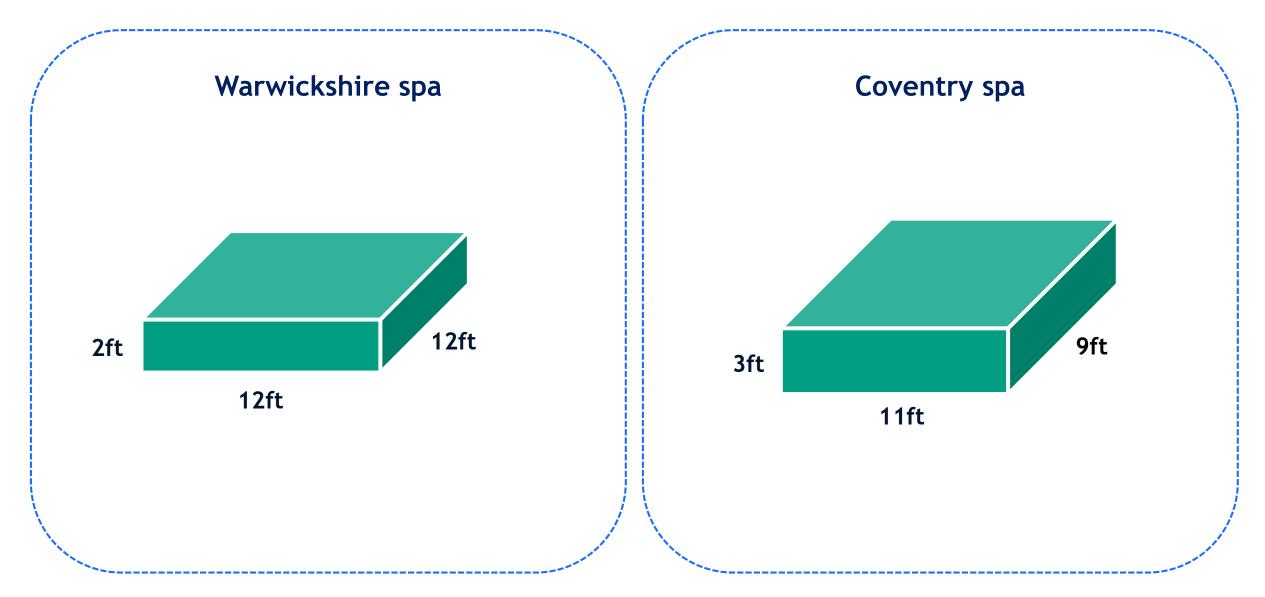
Which stationery item has the largest volume? Box of business cards



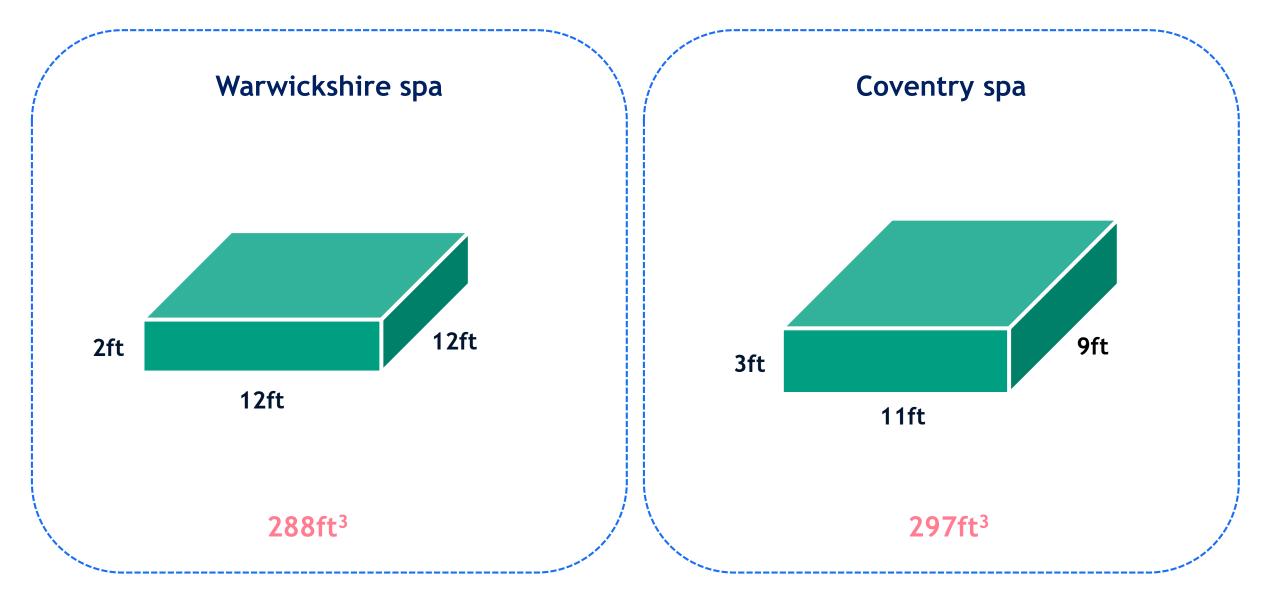
Guess which hot tub has the largest volume



Calculate which hot tub has the largest volume

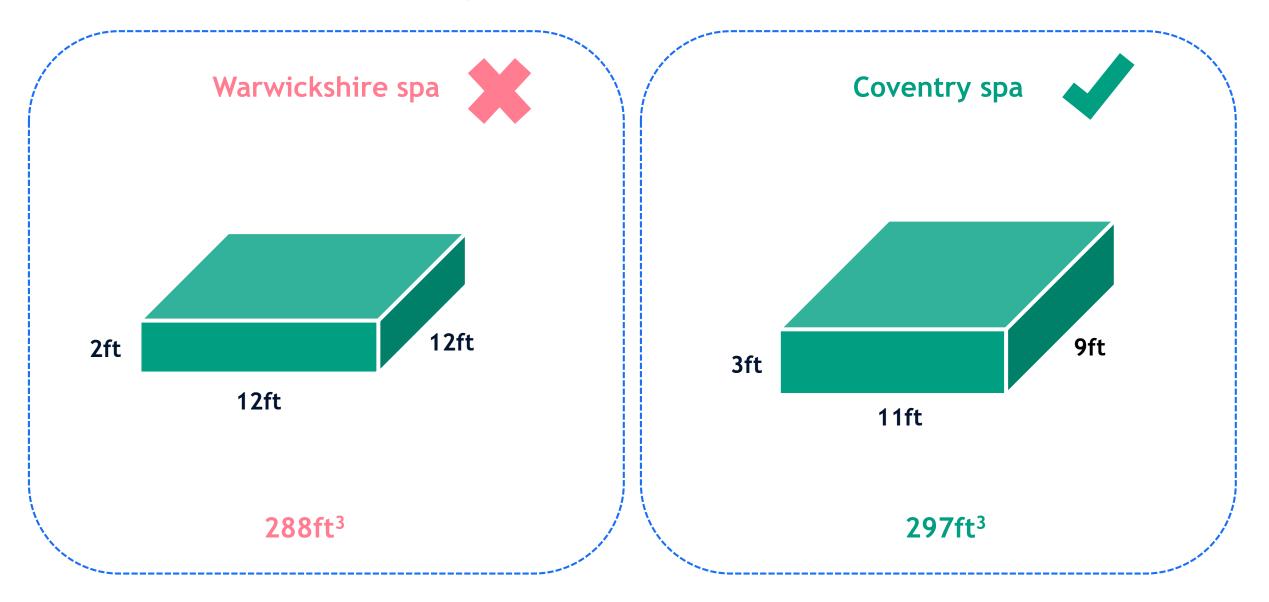


Calculate which hot tub has the largest volume



Which hot tub has the largest volume?

Coventry spa



Did you guess them all right?



