

All the orange rooms of the hotel are cleaned.

Find this % cleaned

Method: count all orange floors, corridors and rooms. Decide which place value these represent. Remember corridors are 1%. Rooms are 0.1%



Show: where 55.5% of the hotel is



Method: A floor is 10%. A corridor is 1%. A room is 0.1% Take enough floors to point out where 55 corridors is then sort out the rooms.

The hotel owners plan to paint all the blue corridors plus 10% of the yellow. Find what fraction of the building this is



Method: Find all the yellow corridors and divide by 10 to get 10%. Add this to the number of blue corridors. Change % to fraction by div by 100 ...

$3/8$ of the hotel rooms have twin beds. Show how far through the hotel this is and how many rooms this is.



Method: find $3/8$ (three eighths) as a % by div 3 by 8 looking at the first 3 decimal places

A different team of staff are assigned to each coloured area of the hotel. If 5 staff take the smallest area, work out how many staff are needed for each other area



Method: Find the %'s of each coloured area. Use a ratio between the different % sizes of the coloured areas to calculate staff increase from 5

0.348 parts of the hotel require maintenance each year. Show how far through the hotel this value is.



Method: put zero three four and eight on your place value board with zero under 'hotel'.

Assuming each hotel room costs the same, find the income from the green area if the income from the blue is £1200



Method: find the number of rooms in the green area. Divide £1200 by the rooms to find the cost of 1 room etc..

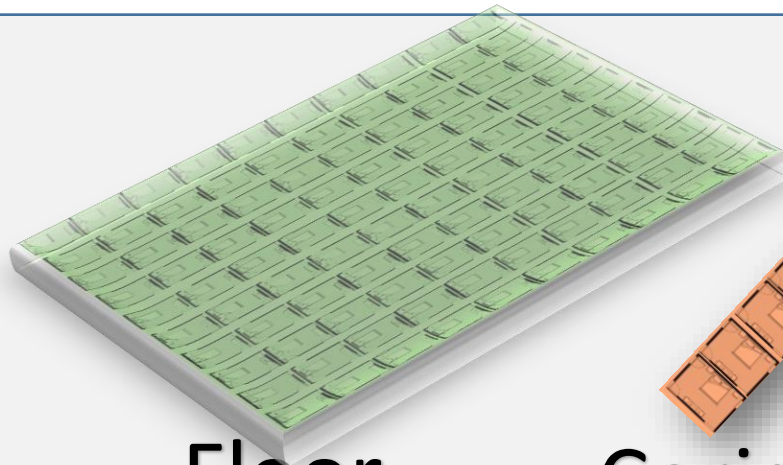
Choose any room in the hotel. Find what %, decimal and fraction of the hotel this room is at



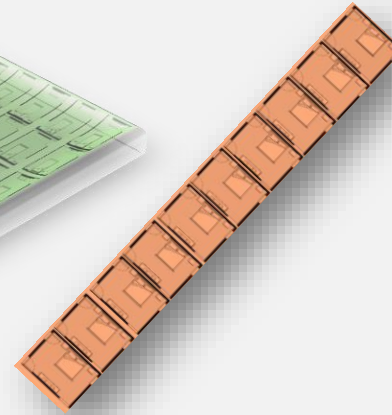
Method: point to any room on any floor, use the number cards on your place value board to identify the room value through the hotel



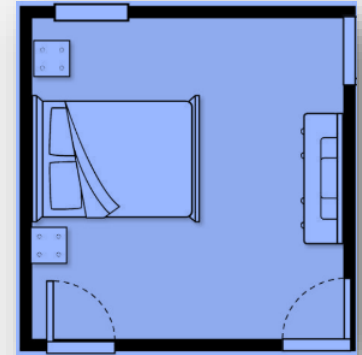
Hotel



Floor



Coridoor

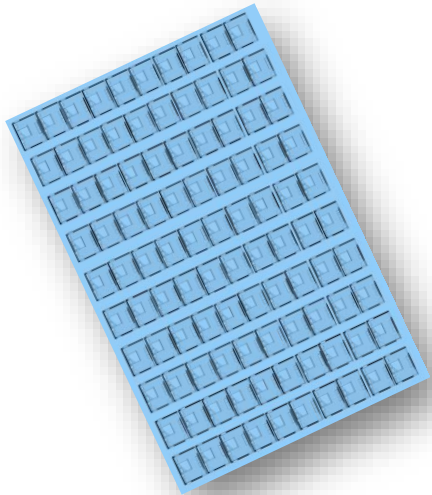
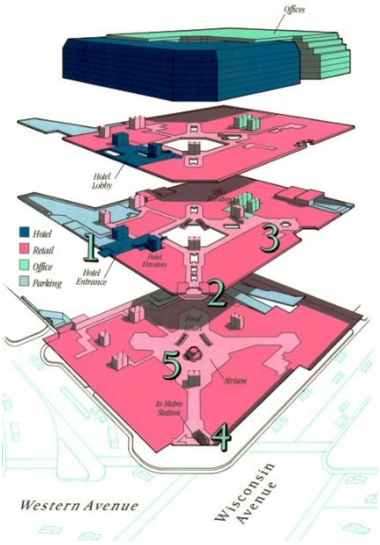
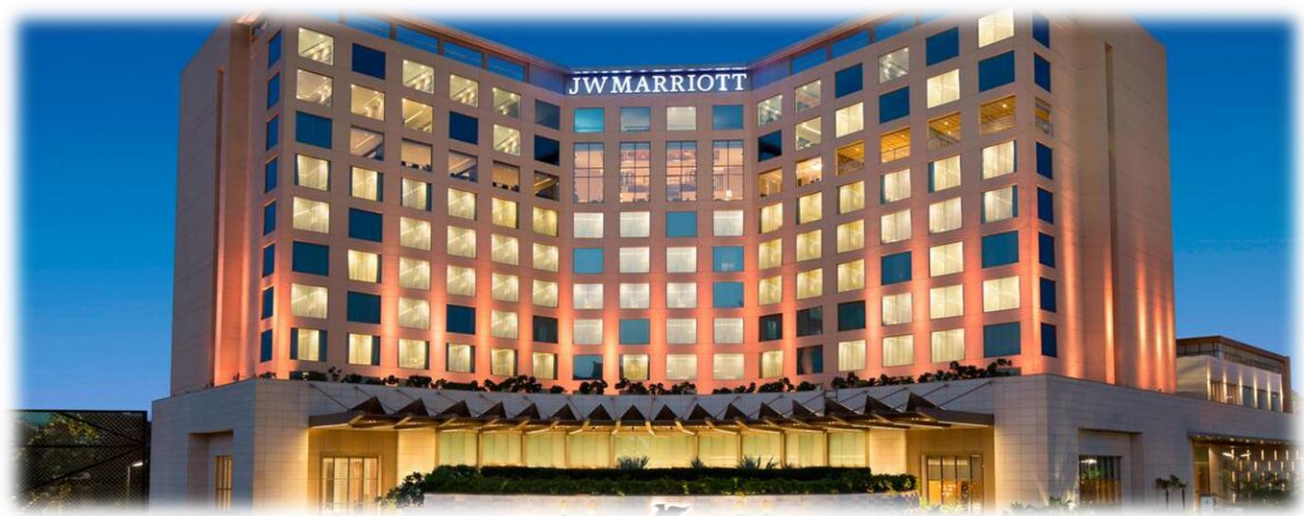


Room

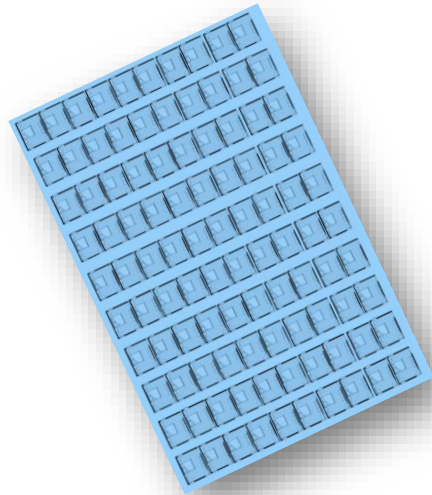
Units		Tenths	Hundredths	Thousandths
1	●	$1/10$	$1/100$ (%)	$1/1000$
	●			



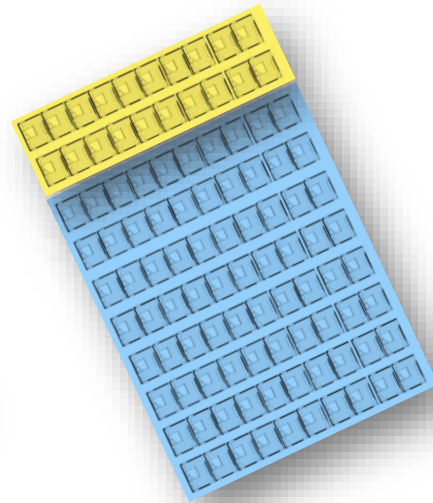
Hotel Floors Expanded View



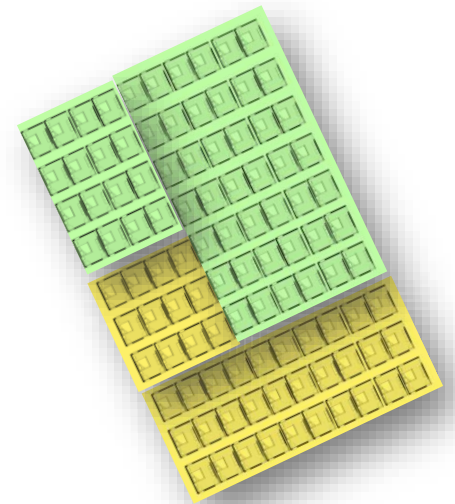
Floor 1



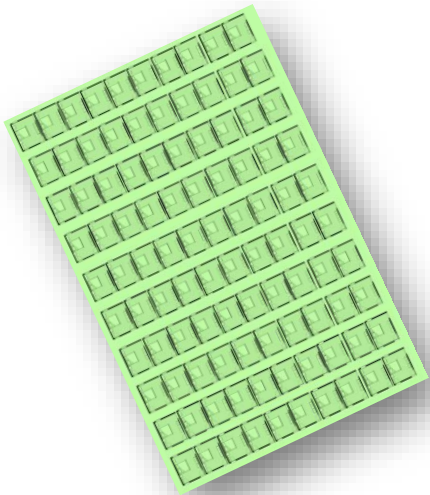
Floor 2



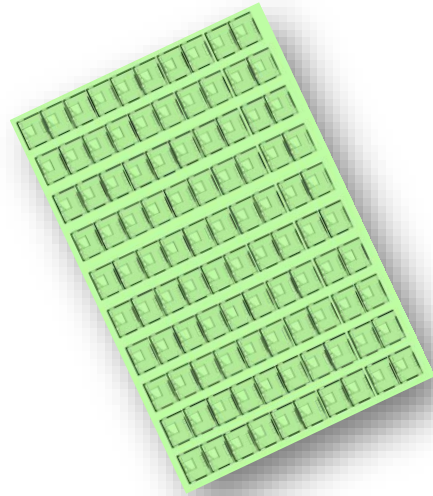
Floor 3



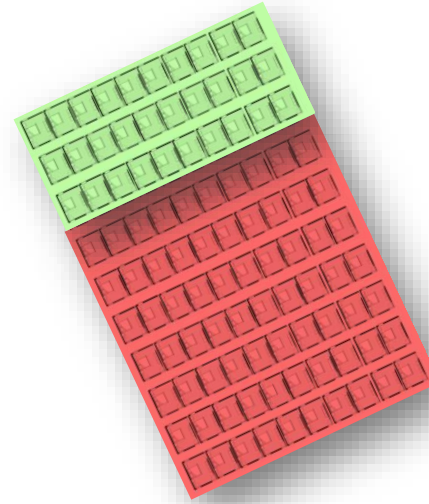
Floor 4



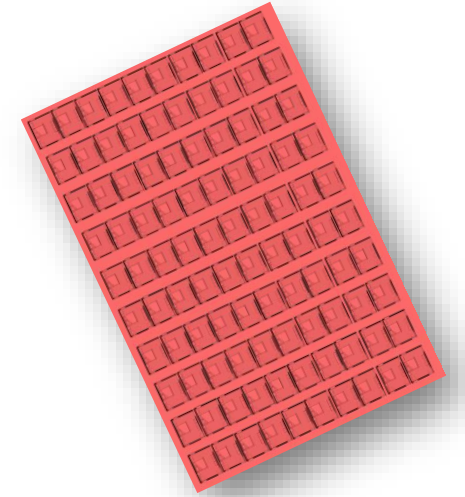
Floor 5



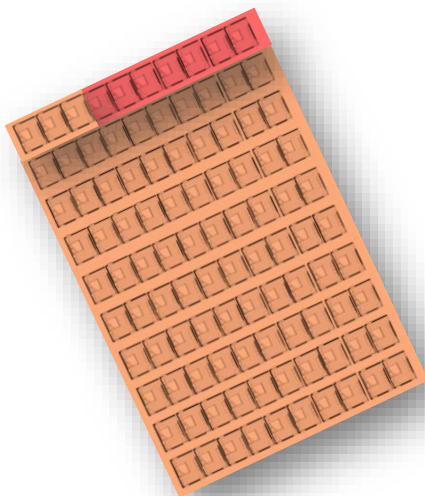
Floor 6



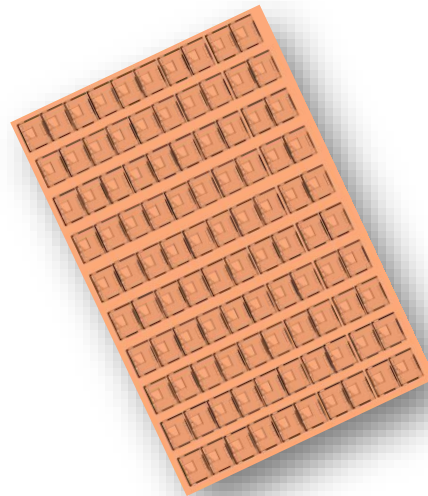
Floor 7



Floor 8



Floor 9



Floor 10

