

Mixed arithmetic (2-3 digits)

Grade 3 Word Problems Worksheet

A hotel has 6 floors. There are 18 rooms on each floor. There are 10 suites, 36 deluxe rooms and the rest of the rooms are twin rooms.

1. How many rooms are there in total?

2. How many twin rooms are there in the hotel?

3. Last Saturday, there were 81 guests checked into the twin rooms. If there are 3 guests in each room, how many twin rooms were unoccupied on last Saturday?



4. To ensure quality of service, the number of housekeepers depends on the number of rooms. Each suite requires two housekeepers. For every 3 deluxe room, one housekeeper is needed. 14 housekeepers are needed to do all the twin rooms. How many housekeepers are needed for this hotel?

5. The front desk operates around the clock. If each shift is 6-hour long, how many shifts are there in one week?

6. Write the number sentence that fits this: "The twin rooms have either a king-sized bed or two queen-sized beds. As there are 34 twin rooms with king-sized bed, there are 28 twin rooms with two queen-sized beds."

Answers

- $6 \times 18 = 108$
There are 108 rooms in the hotel.
- $108 - 10 - 36 = 62$
There are 62 twin rooms.
- $81 \div 3 = 27$, so there were 27 twin rooms occupied.
 $62 - 27 = 35$
There were 35 unoccupied twin rooms on last Saturday.
- $(10 \times 2) + (36 \div 3) + 14 = 20 + 12 + 14 = 46$
46 housekeepers are needed for this hotel.
- $24 \div 6 = 4$
There are 4 shifts one day.
 $7 \times 4 = 28$
There are 28 shifts in one week.
- $62 - 34 = 28$