

1. When a supermarket opens,

there are 17 trolleys by the supermarket entrance,
an employee wheels 45 trolleys from the car park to the store entrance.

During the day,

54 customers take a trolley into the supermarket,
36 customers take a trolley out of the supermarket to the car park,
15 customers return a trolley to the supermarket entrance,
the employee wheels another 28 trolleys from the car park to the store entrance.

How many trolleys are in the supermarket entrance now?

1.

2. There are 51 students in the lunch queue before the lunch bell goes.

The lunch bell goes at 1.00 p.m, when 39 students are allowed to go into the dining hall.
During the next 3 minutes, 47 students join the lunch queue.

33 more students are allowed to go into the dining hall at 1.03 p.m.

During the next 2 minutes 16 students join the queue, but no more students are allowed into the dining hall.

No students jump the queue.

How many students are in the lunch queue at 1.05 p.m.

2.

3. Jordan collects nail polish.

Last month she had 46 bottles of nail polish.

During the month she bought 7 bottles of polish and used up 11 bottles of polish.

Yesterday she had a sort out and threw away 9 bottles of nail polish that were dried up.

Today is her birthday and she was given 8 bottles of nail polish.

How many bottles of nail polish does she have now?

3.

4. There are 31 passengers on a train.

The train stops at Builth Road.

At Builth Road, 17 passengers get off the train and 8 passengers get on the train.

The train then goes to LLandrindod.

At LLandrindod, 13 passengers get off the train and 6 passengers get on the train.

How many passengers are now on the train?

4.

Answers

1. 51

because: $17 + 45 - 54 + 15 + 28$

2. 42

because: $51 - 39 + 47 - 33 + 16$

3. 41

because: $46 + 7 - 11 - 9 + 8$

4. 15

because: $31 - 17 + 8 - 13 + 6$