

Gaps and Interval Concept

**Answer the following questions in the space provided.
The use of calculators is allowed.**

1. There were 66 people in a queue at the registration table.
There was an equal distance between each person in the queue.
If the distance between the 8th person and the 11th person in the queue was 48 cm,
what was the distance between the 3rd person and the last person?
Give your answer in centimetres.

Ans: _____

2. Jocelyn took part in a 10 km walkathon.
Lamp posts were situated at the starting point and at every 200 m interval from the
starting point.
There was no lamp post situated at the finishing line.
How many lamp posts were there?

Ans: _____

3. Angeline took part in a 24 km cycling marathon. Throughout the marathon, water points were situated every 500 m between the starting point and the finishing line. There was no water point situated at the starting point and the finishing line. How many water points were there in total?

Ans: _____

4. Some tables were arranged in a line along the length of a corridor.
The length of each table is 2 m long.
There was a gap of 4 m in between every 2 tables.
The length of the corridor was 56 m and there was a gap of 3 m at both ends of the corridor.
- (a) How many tables were placed along the corridor?
(b) If 3 stools were placed between 2 tables, how many stools would there be in total?

Ans: (a) _____

(b) _____