

Shopping Queue

16 people are waiting at 4 shop checkouts.

There are a different number of people in each queue.

At two of the checkouts a total of 8 people are waiting.

The longest queue has an even number of people.



How many people are in each checkout queue?

Decide how many people you will have in each queue.
Write your own clues for someone else to solve.

Learning and Teaching Objectives

- Identify the given facts and prioritise them
- Choose and use a recording system to organise the given information
- Check the answer meets all the criteria

Shopping Queue Solution

Queue 1	1	2	3	5	6	7	Two queues with 8 people
Queue 2	7	6	5	3	2	1	
Queue 3	8	8	6	6	8	8	Longest queue has an even number
Queue 4	0	0	2	2	0	0	Queue 3 and 4 must also add to 8

There are 6, 5, 3, 2 people in the queues