

# The Nearest 10 000 and 100 000

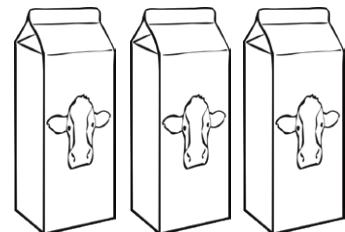
Learning Intention: To solve word problems (with rounding).

Solve the following word problems, rounding the answer as instructed.

1. A supermarket sells 143 687 litres of milk in one months.

How many litres is this to the nearest 10 000 and nearest 100 000?

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2. There are 487245 spectators at all the Premier League football matches on a Saturday.

How many is this to the nearest 10 000 and nearest 100 000?

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3. A newspaper reports that around 160 000 people attended a parade.

How is this rounded and what is the range of the precise attendance?

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4. 529 876 adults and 225 621 children visit a zoo in one year.

To the nearest 10 000 and nearest 100 000, how many people visit the zoo altogether?

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5. A supermarket has 534 348 tins of tomatoes at a distribution centre.

It sends out 67 782 in one shipment. To the nearest 10 000, how many will be left?

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6. A call centre receives about 75 000 calls per day.

To the nearest 10 000, how many calls does it receive in a working week (5 days)?

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7. A swimming pool has 324 923 swimmers in the main pool and 591 023 swimmers in the leisure pool in one year. To the nearest 100 000, how many swimmers do both pools get over the whole year?

8. A lorry driver travels 256 349 miles in one year, and 289 012 miles in the following year. To the nearest 10 000 and 100 000, how many miles does the driver travel in both years?

### Challenge

What happens if you round the numbers in questions 4 onwards, then calculate the answers?

# The Nearest 10 000 and 100 000

## Answers

Solve the following word problems, rounding the answer as instructed.

1. A supermarket sells 143 687 litres of milk in one months.

How many litres is this to the nearest 10 000 and nearest 100 000?

**140 000**

**100 000**

2. There are 487245 spectators at all the Premier League football matches on a Saturday.

How many is this to the nearest 10 000 and nearest 100 000?

**490 000**

**50 000**

3. A newspaper reports that around 160 000 people attended a parade.

How is this rounded and what is the range of the precise attendance?

**Nearest 10 000, 155 000 to 164 000**

4. 529 876 adults and 225 621 children visit a zoo in one year.

To the nearest 10 000 and nearest 100 000, how many people visit the zoo altogether?

**760 000**

**800 000**

5. A supermarket has 534 348 tins of tomatoes at a distribution centre.

It sends out 67 782 in one shipment. To the nearest 10 000, how many will be left?

**470 000**

6. A call centre receives about 75 000 calls per day.

To the nearest 10 000, how many calls does it receive in a working week (5 days)?

**380 000**

7. A swimming pool has 324 923 swimmers in the main pool and 591 023 swimmers in the leisure pool in one year. To the nearest 100 000, how many swimmers do both pools get over the whole year?

**900 000**

8. A truck driver travels 256 349 miles in one year, and 289 012 miles in the following year. To the nearest 10 000 and 100 000, how many miles does the driver travel in both years?

**550 000**

**500 000**

### **Challenge**

What happens if you round the numbers in questions 4 onwards, then calculate the answers?

**The answer changes.**