

*L.O. use rounding to support our estimating of numbers*      12.10.21

176 passengers board a plane to New York.

A further 294 passengers board the plane.

*Round the numbers to the nearest 10 to estimate the answer.*

176 rounded to the nearest 10 is \_\_\_\_\_ .

294 rounded to the nearest 10 is \_\_\_\_\_ .

*An estimate for the answer is:*

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

*The actual answer is:* \_\_\_\_\_

384 passengers arrive in Florida.

Then 163 passengers leave Florida.

*Round the numbers to the nearest 10 to estimate the answer.*

384 rounded to the nearest 10 is \_\_\_\_\_ .

163 rounded to the nearest 10 is \_\_\_\_\_ .

*An estimate for the answer is:*

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

*The actual answer is:* \_\_\_\_\_

267 crew members board the plane. To Miami.

A further 127 passengers board the plane.

Round the numbers to the nearest 10 to estimate the answer.

267 rounded to the nearest 10 is \_\_\_\_\_ .

127 rounded to the nearest 10 is \_\_\_\_\_ .

An estimate for the answer is:

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

The actual answer is: \_\_\_\_\_

276 tourists visit the Statue of Liberty.

A further 286 passengers visit the statue.

Round the numbers to the nearest 100 to estimate the answer.

276 rounded to the nearest 100 is \_\_\_\_\_ .

286 rounded to the nearest 100 is \_\_\_\_\_ .

An estimate for the answer is:

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

The actual answer is: \_\_\_\_\_

873 tourists visit the Empire State Building.

164 tourists exit the building.

Round the numbers to the nearest 100 to estimate the answer.

873 rounded to the nearest 100 is \_\_\_\_\_ .

164 rounded to the nearest 100 is \_\_\_\_\_ .

An estimate for the answer is:

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

The actual answer is: \_\_\_\_\_

372 passengers board the plane to Las Vegas.

A further 493 passengers board the plane.

Round the numbers to the nearest 100 to estimate the answer.

372 rounded to the nearest 100 is \_\_\_\_\_ .

493 rounded to the nearest 100 is \_\_\_\_\_ .

An estimate for the answer is:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

The actual answer is: \_\_\_\_\_

2776 passengers board the Titanic.

A further 2866 3rd class passengers board the Titanic.

Round the numbers to the nearest 1000 to estimate the answer.

2776 rounded to the nearest 1000 is \_\_\_\_\_ .

2866 rounded to the nearest 1000 is \_\_\_\_\_ .

An estimate for the answer is:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

The actual answer is: \_\_\_\_\_

7623 passengers board the Titanic.

2634 passengers then get off the boat.

Round the numbers to the nearest 1000 to estimate the answer.

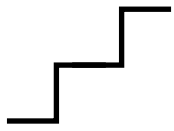
7623 rounded to the nearest 1000 is \_\_\_\_\_ .

2634 rounded to the nearest 1000 is \_\_\_\_\_ .

An estimate for the answer is:

$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

The actual answer is: \_\_\_\_\_



Use the number cards and + or - to make three calculations with an estimated answer of 2,500

1,295

1,120

4,002

1,489

3,812

1,449

### True or False?

$$49,999 - 19,999 = 50,000 - 20,000$$



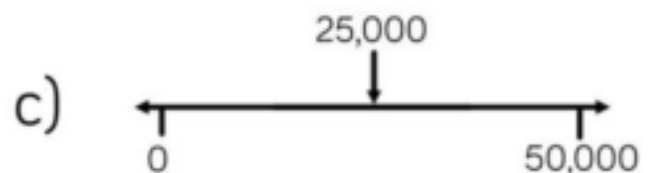
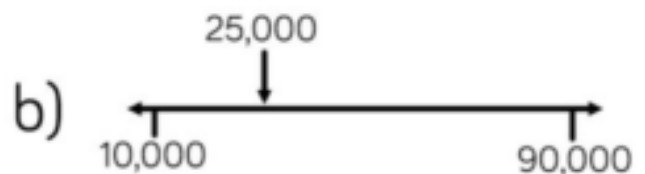
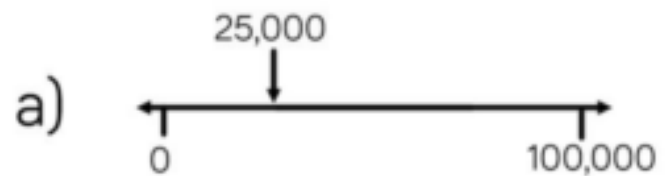
Dora

I did not need to use a written method to work this out.

Can you explain why Dora's method work?

Can you think of another example where this method could be used?

Which estimate is inaccurate?



Explain how you know.