

4.5.21

Where does the number lie?

Count on in steps of 10 from:

240,900

379,900

10 hundredths are equivalent to 0.1 or one tenth.

10 tenths are equivalent to 1.

10 ones are equivalent to 10.

10 tens are equivalent to 100.

10 hundreds are equivalent to 1000.

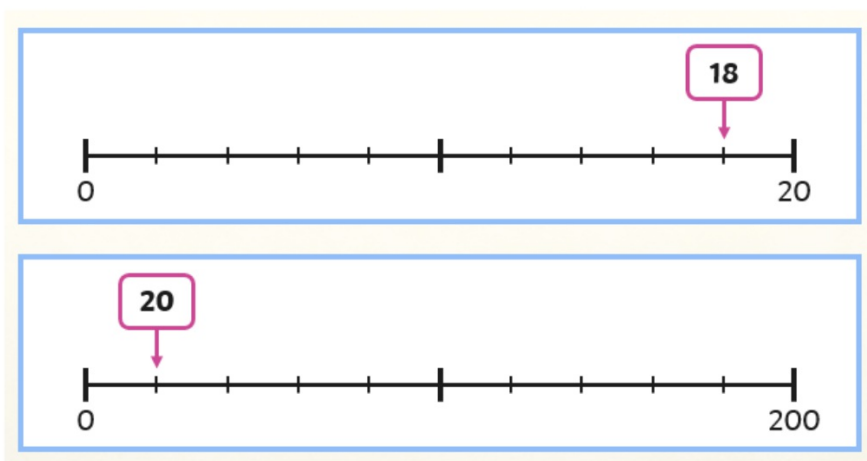
10 thousands are equivalent to 10,000.

10 ten thousands are equivalent to 100,000.

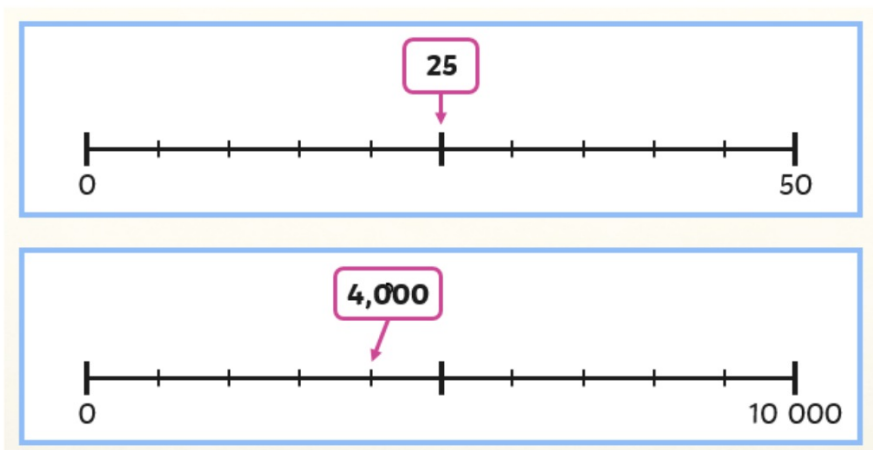
10 hundred thousands are equivalent to 1,000,000 or 1 million.

10 millions are equivalent to 10,000,000 or 10 million.

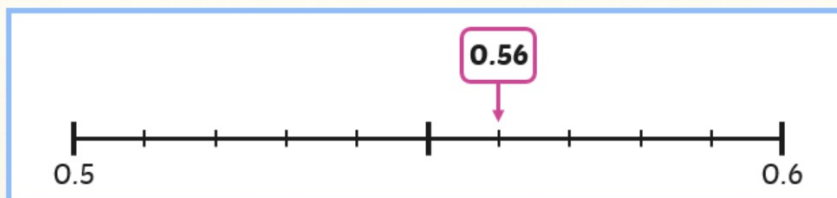
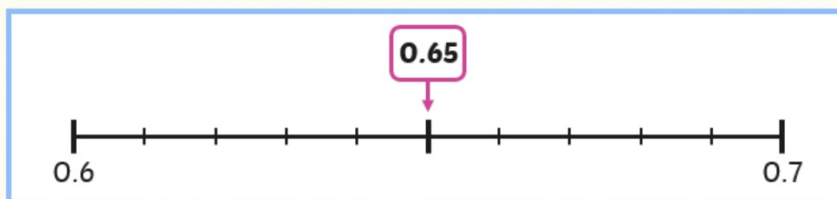
What value are the arrows pointing to?
Explain how you know



What value are the arrows pointing to?
Explain how you know



What value are the arrows pointing to?
Explain how you know



12,500

Read the number

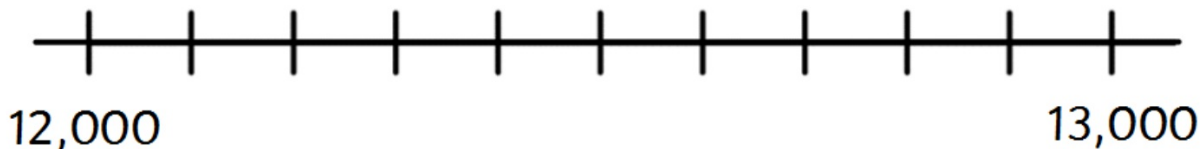
twelve thousand, five hundred

What is the value of the digits?

$10,000 + 2,000 + 500$

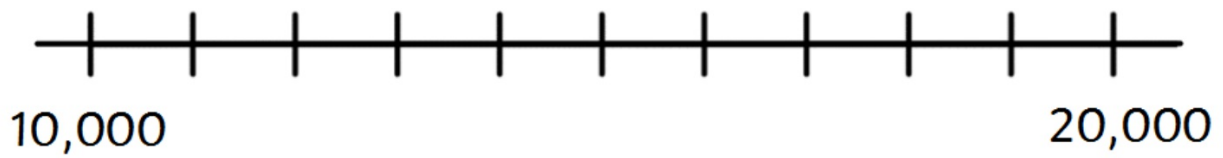
1 ten thousand, 2 thousands and 5 hundreds

Where does the number lie?



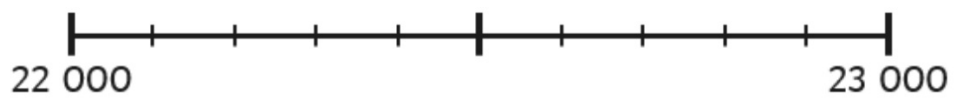
How do you know?

Where does 12,500 lie on this number line?



How do you know?

Where does 22,350 lie on this number line?



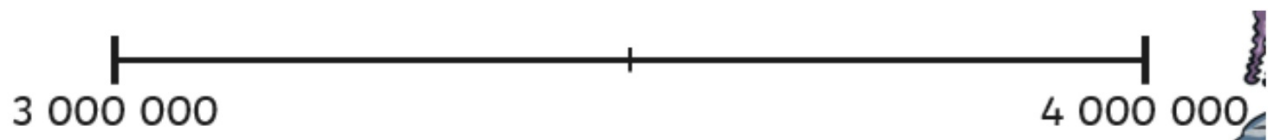
How do you know?

Where does 162,500 lie on this number line?



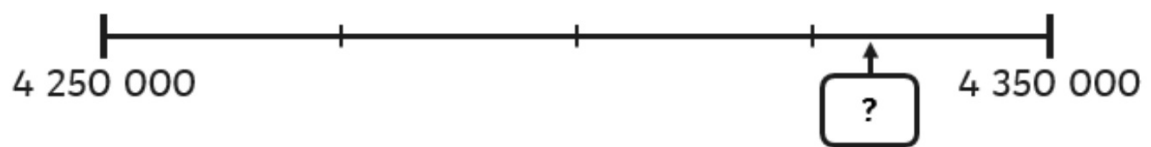
How do you know?

Where does 3,400,000 lie on this number line?

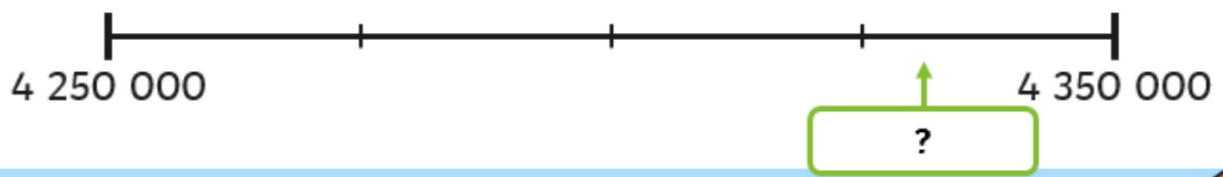


How do you know?

Estimate the value of the number.
Explain your reasoning.



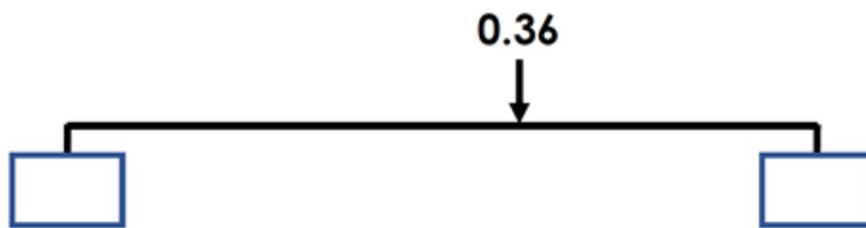
Estimate the value of the number.
Explain your reasoning.



Plenary

Different ways

What could the start and end numbers be?



5.5.21

What is the next multiple?

Count on in steps of 100 from:

380,500

379,500

10 hundredths are equivalent to 0.1 or one tenth.

10 tenths are equivalent to 1.

10 ones are equivalent to 10.

10 tens are equivalent to 100.

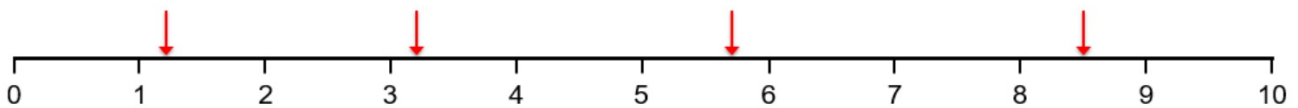
10 hundreds are equivalent to 1000.

10 thousands are equivalent to 10,000.

10 ten thousands are equivalent to 100,000.

10 hundred thousands are equivalent to 1,000,000 or 1 million.

10 millions are equivalent to 10,000,000 or 10 million.



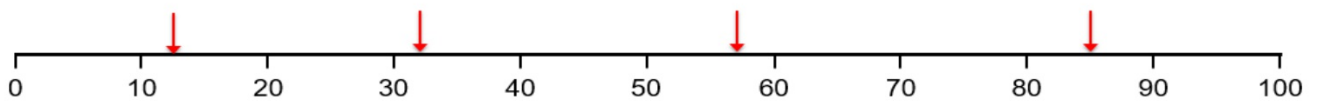
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 1 is it in between?

Which multiple of 1 is it nearest to?

What do you estimate the value to be? Why?



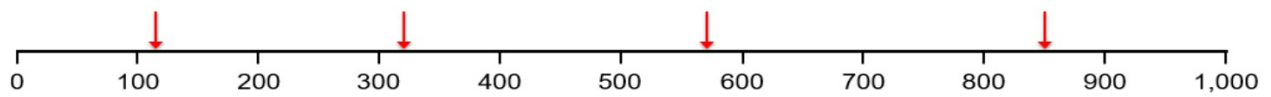
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 10 is it in between?

Which multiple of 10 is it nearest to?

What do you estimate the value to be? Why?



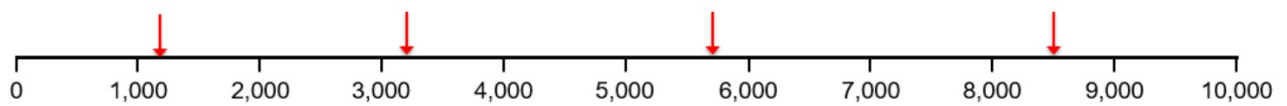
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 100 is it in between?

Which multiple of 100 is it nearest to?

What do you estimate the value to be? Why?



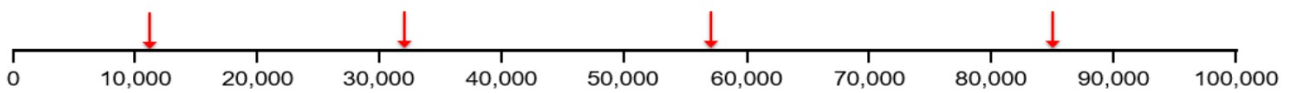
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 1,000 is it in between?

Which multiple of 1,000 is it nearest to?

What do you estimate the value to be? Why?



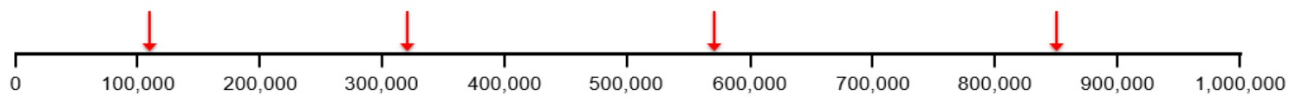
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 10,000 is it in between?

Which multiple of 10,000 is it nearest to?

What do you estimate the value to be? Why?



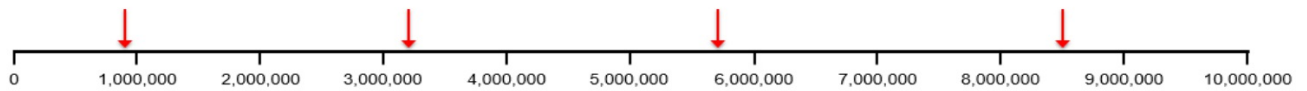
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 100,000 is it in between?

Which multiple of 100,000 is it nearest to?

What do you estimate the value to be? Why?



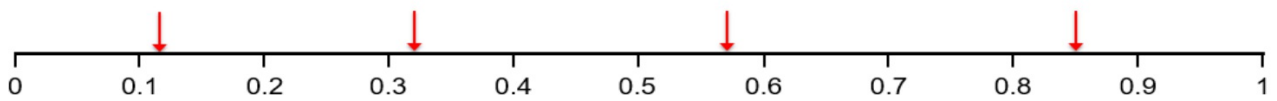
What does each interval on the number line increase by?

Look at each arrow.

Which multiples of 1,000,000 is it in between?

Which multiple of 1,000,000 is it nearest to?

What do you estimate the value to be? Why?



What does each interval on the number line increase by?

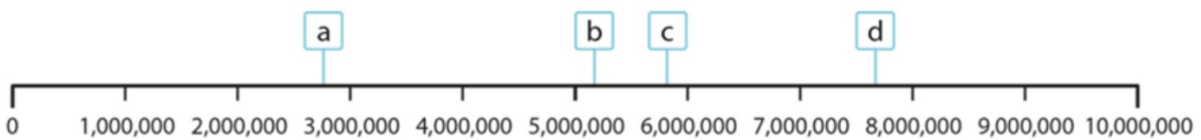
Look at each arrow.

Which multiples of 0.1 is it in between?

Which multiple of 0.1 is it nearest to?

What do you estimate the value to be? Why?

You try



What do you estimate the value of a , b , c and d to be?

What multiple of 1,000,000 is each number between?

Which multiple of 1,000,000 is each number closest to?

3,289,00

The previous multiple of 1,000,000 is 3,000,000

The next multiple of 1,000,000 is 4,000,000

The nearest multiple of 1,000,000 is 3,000,000

$$3,000,000 < 3,289,000 < 4,000,000$$

4,678,980

The previous multiple of 1,000,000 is 4,000,000

The next multiple of 1,000,000 is 5,000,000

The nearest multiple of 1,000,000 is 5,000,000

$$4,000,000 < 4,678,980 < 5,000,000$$

9,560,000

The previous multiple of 1,000,000 is 9,000,000

The next multiple of 1,000,000 is 10,000,000

The nearest multiple of 1,000,000 is 10,000,000

$$9,000,000 < 9,560,000 < 10,000,000$$

You try:

3,450,900

8,792,345

2,623,900

1,123,900

7,945,892

6,568,900

For each number write down:

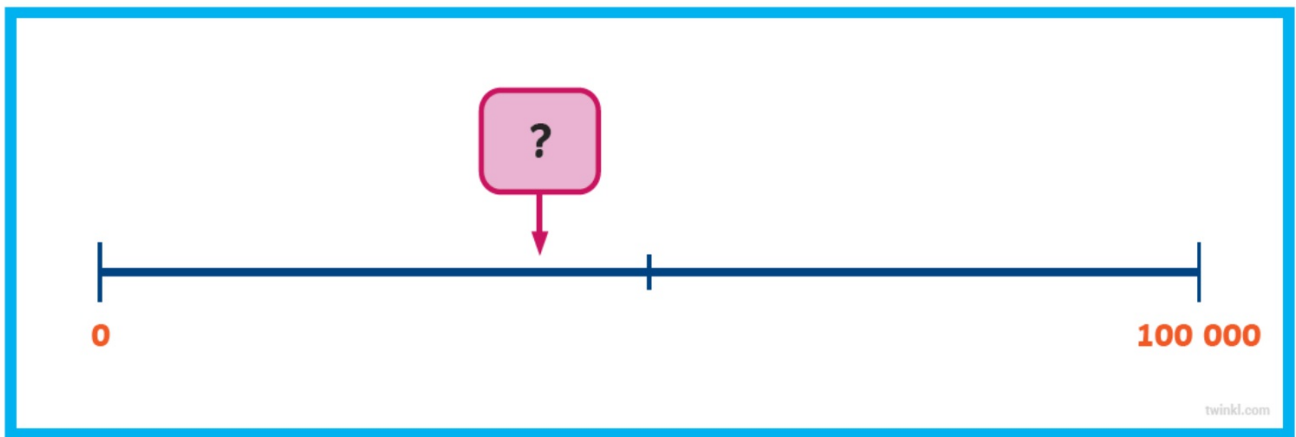
The previous multiple of 1,000,000 is _____

The next multiple of 1,000,000 is _____

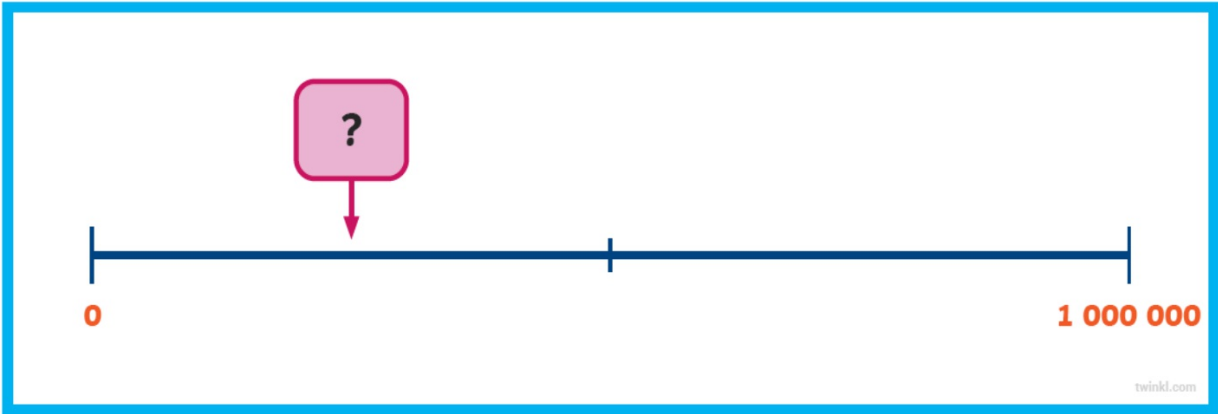
The nearest multiple of 1,000,000 is _____

_____ < _____ < _____

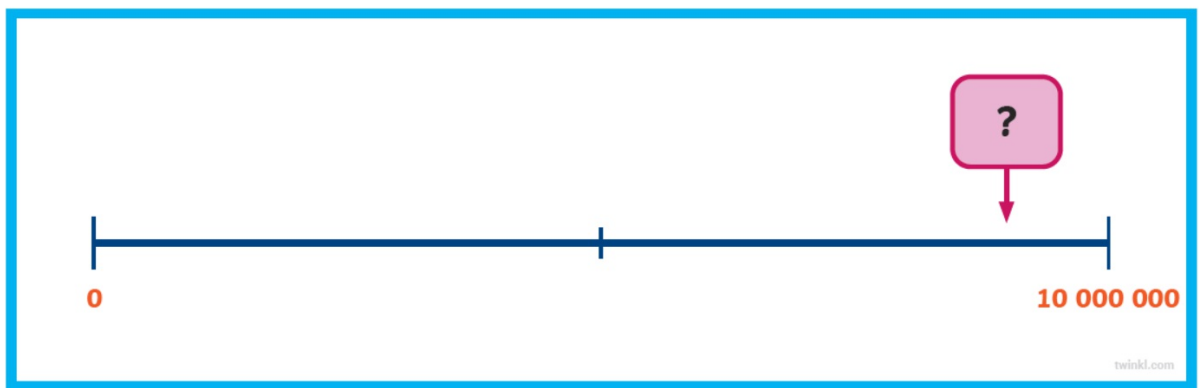
Plenary

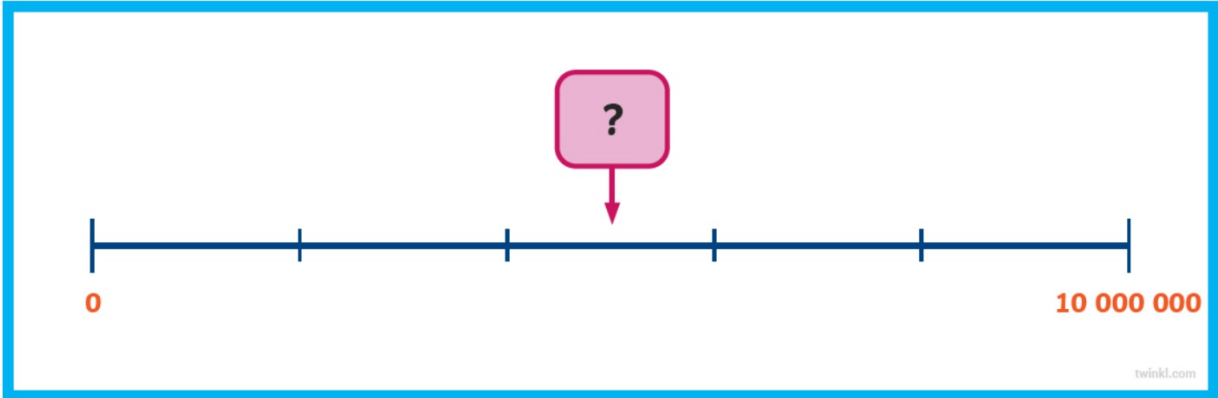


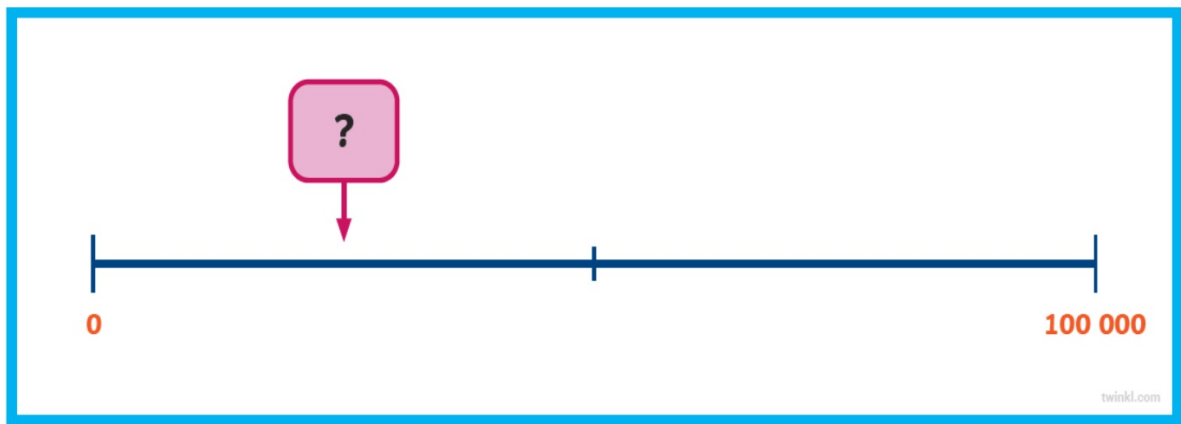


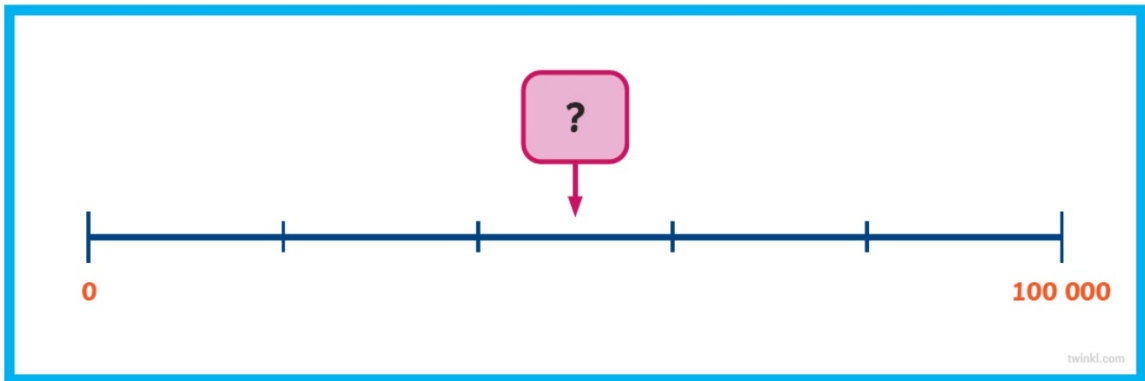




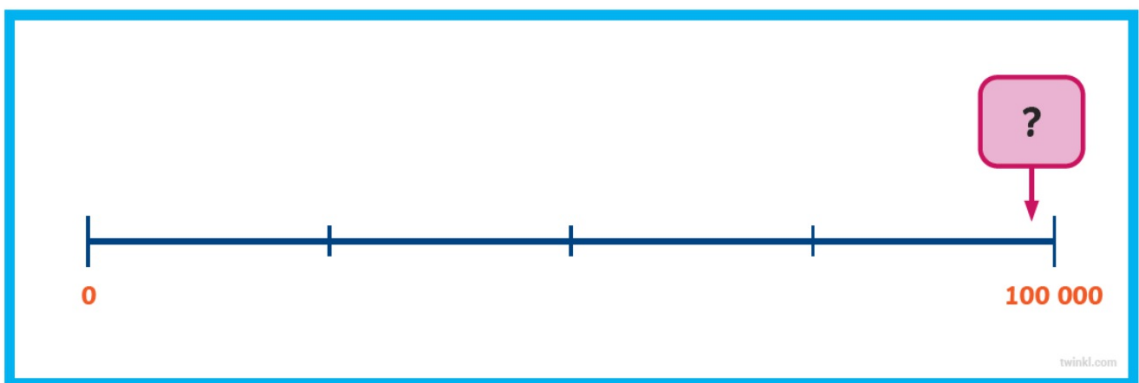


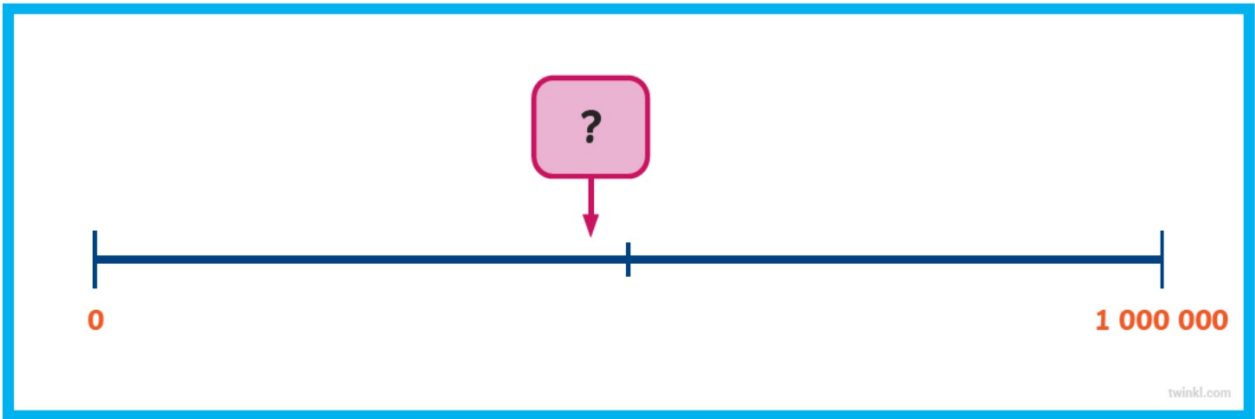


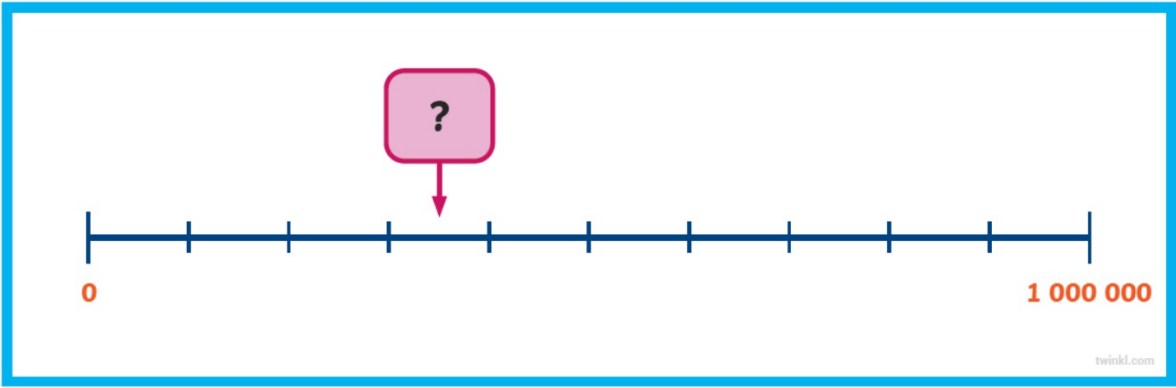


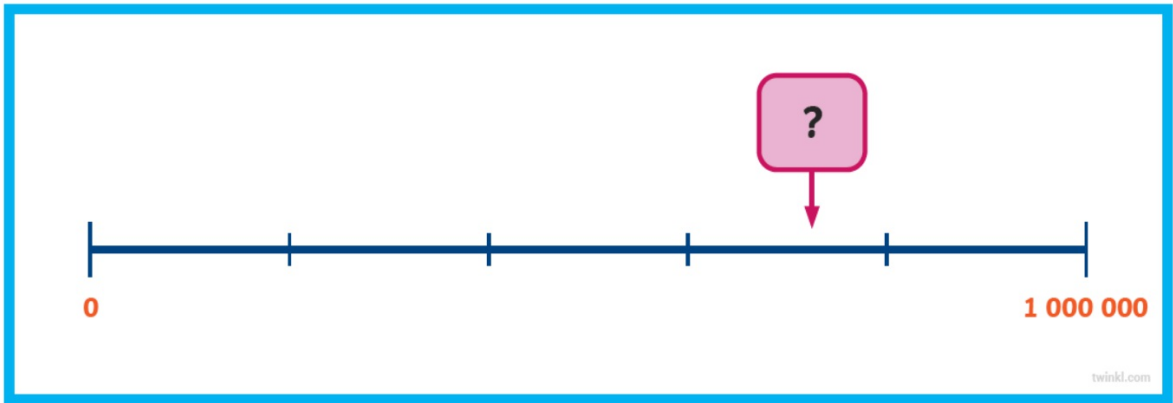


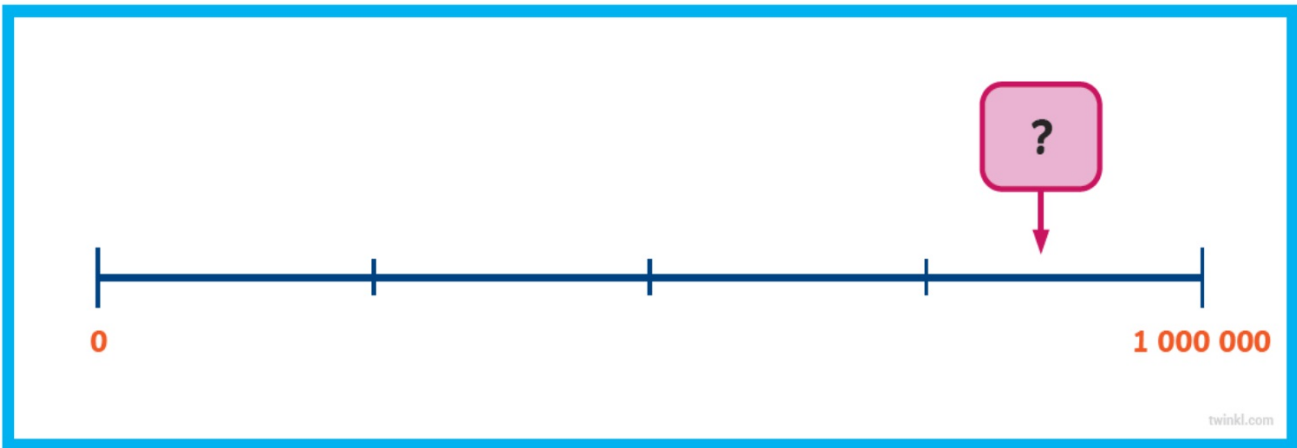


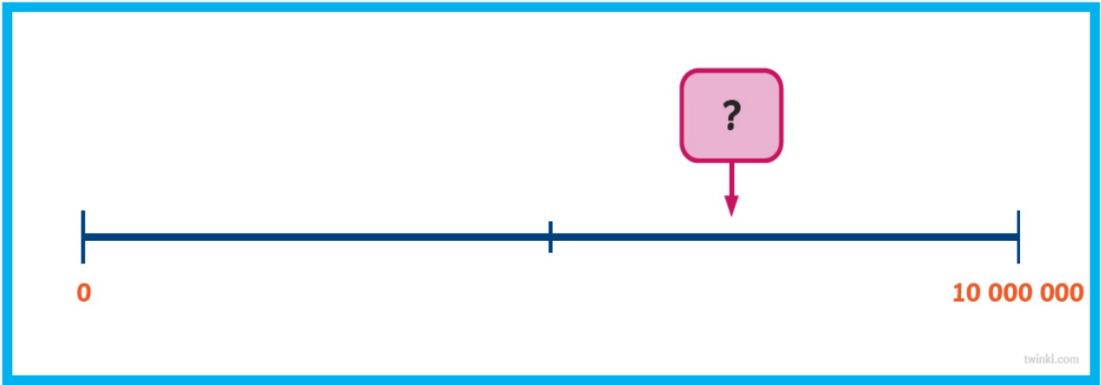




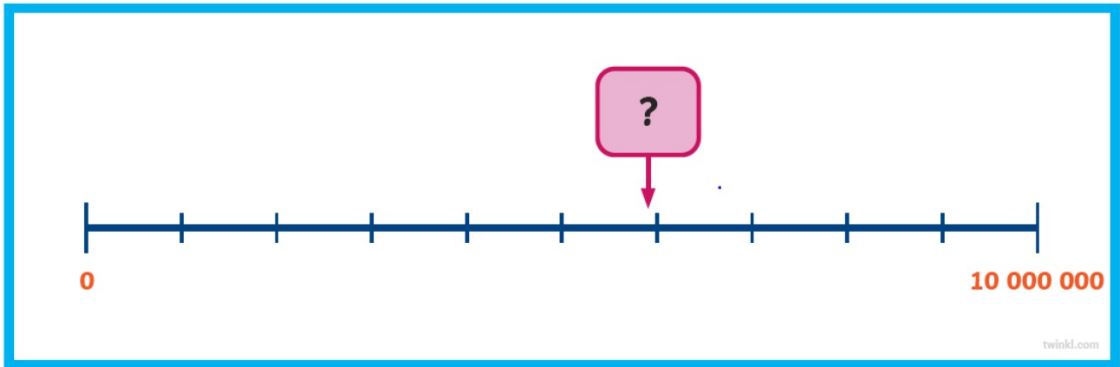


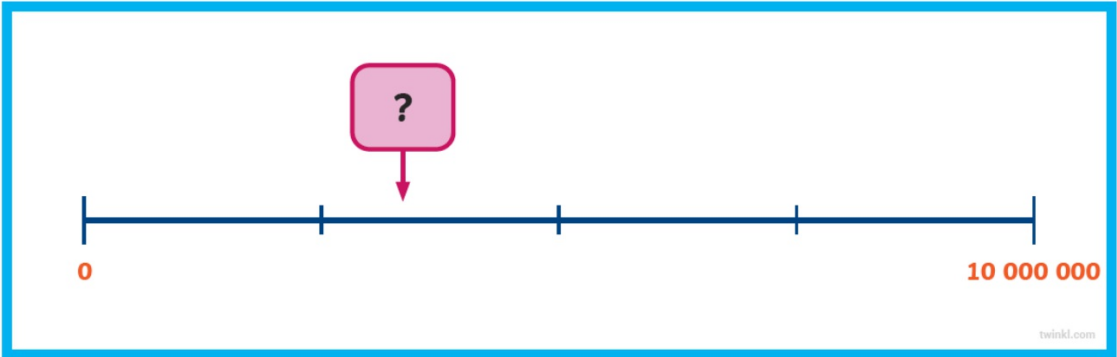












6.5.21

Can you round?

Count on in steps of 1,000 from:

378,000

2,589,000

10 hundredths are equivalent to 0.1 or one tenth.

10 tenths are equivalent to 1.

10 ones are equivalent to 10.

10 tens are equivalent to 100.

10 hundreds are equivalent to 1000.

10 thousands are equivalent to 10,000.

10 ten thousands are equivalent to 100,000.

10 hundred thousands are equivalent to 1,000,000 or 1 million.

10 millions are equivalent to 10,000,000 or 10 million.

2,783,450

The previous multiple of 1,000,000 is 2,000,000

The next multiple of 1,000,000 is 3,000,000

The nearest multiple of 1,000,000 is 3,000,000

2,783,450 rounded to the nearest 1,000,000 is
3,000,000

5,192,012

The previous multiple of 1,000,000 is 5,000,000

The next multiple of 1,000,000 is 6,000,000

The nearest multiple of 1,000,000 is 5,000,000

5,192,012 rounded to the nearest 1,000,000 is
5,000,000

5,811,159

The previous multiple of 1,000,000 is 5,000,000

The next multiple of 1,000,000 is 6,000,000

The nearest multiple of 1,000,000 is 6,000,000

5,811,159 rounded to the nearest 1,000,000 is
6,000,000

7,683,102

The previous multiple of 1,000,000 is 7,000,000

The next multiple of 1,000,000 is 8,000,000

The nearest multiple of 1,000,000 is 8,000,000

7,683,102 rounded to the nearest 1,000,000 is
8,000,000

2,783,450

The previous multiple of 100,000 is 2,700,000

The next multiple of 100,000 is 2,800,000

The nearest multiple of 100,000 is 2,800,000

2,783,450 rounded to the nearest 100,000 is
2,800,000

5,192,012

The previous multiple of 100,000 is 5,100,000

The next multiple of 100,000 is 5,200,000

The nearest multiple of 100,000 is 5,200,000

5,192,012 rounded to the nearest 100,000 is
5,200,000

5,811,159

The previous multiple of 100,000 is 5,800,000

The next multiple of 100,000 is 5,900,000

The nearest multiple of 100,000 is 5,800,000

5,811,159 rounded to the nearest 100,000 is
5,800,000

7,683,102

The previous multiple of 100,000 is 7,600,000

The next multiple of 100,000 is 7,700,000

The nearest multiple of 100,000 is 7,700,000

7,683,102 rounded to the nearest 100,000 is
7,700,000

Plenary

Explain

'Numbers can be far apart yet round to the same number'.

Explain, with examples, how this is true.

7.5.21

What do you know about numbers?

Count on in steps of 10,000 from:
1,900,000
3,480,000

10 hundredths are equivalent to 0.1 or one tenth.

10 tenths are equivalent to 1.

10 ones are equivalent to 10.

10 tens are equivalent to 100.

10 hundreds are equivalent to 1000.

10 thousands are equivalent to 10,000.

10 ten thousands are equivalent to 100,000.

10 hundred thousands are equivalent to 1,000,000 or 1 million.

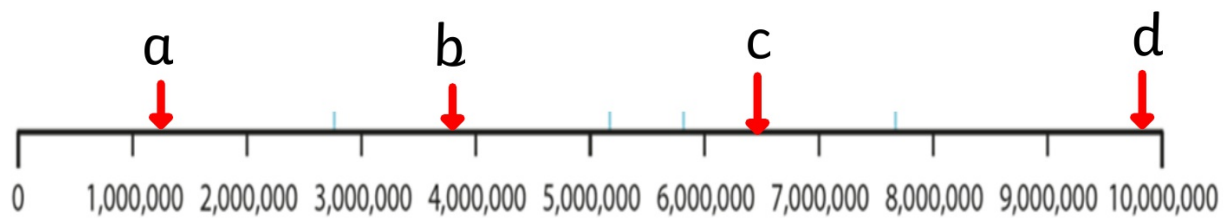
10 millions are equivalent to 10,000,000 or 10 million.

$$123 \times 10 = \quad 1230 \div 10 =$$

$$34 \times 100 = \quad 3400 \div 100 =$$

$$4.5 \times 1,000 = \quad 4500 \div 1,000 =$$

$$5.6 \times \underline{\quad} = 560 \quad 560 \div \underline{\quad} = 5.6$$



For each number:

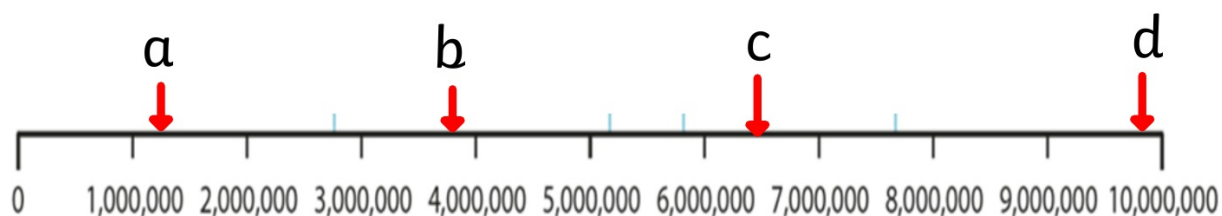
What do you estimate the number to be?

What is the previous multiple of 1,000,000?

What is the next multiple of 1,000,000?

What is the nearest multiple of 1,000,000

Round the number to the nearest million



For each number:

What do you estimate the number to be?

What is the previous multiple of 100,000?

What is the next multiple of 100,000?

What is the nearest multiple of 100,000

Round the number to the nearest hundred thousand.