

Review

7,482,391

- **Word form:**

- **Expanded form:**

- **Expanded notation:**

How many millions are in the number?

How many thousands are in the number?

How many hundred thousands are there?

What does it mean to round a number?

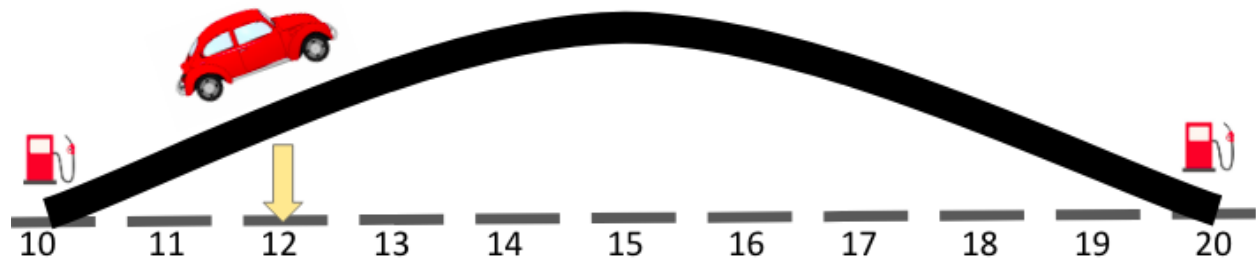
Rounding is when you find the _____
to any given number.

In this lesson we'll apply what we learned with "base 10" to round to the nearest 10, 100, and 1,000s.

Think about this!

You're in a car driving along this number line... Your car runs out of gas at the 12 mile marker. There is a gas station both at mile marker 10, and mile marker 20.

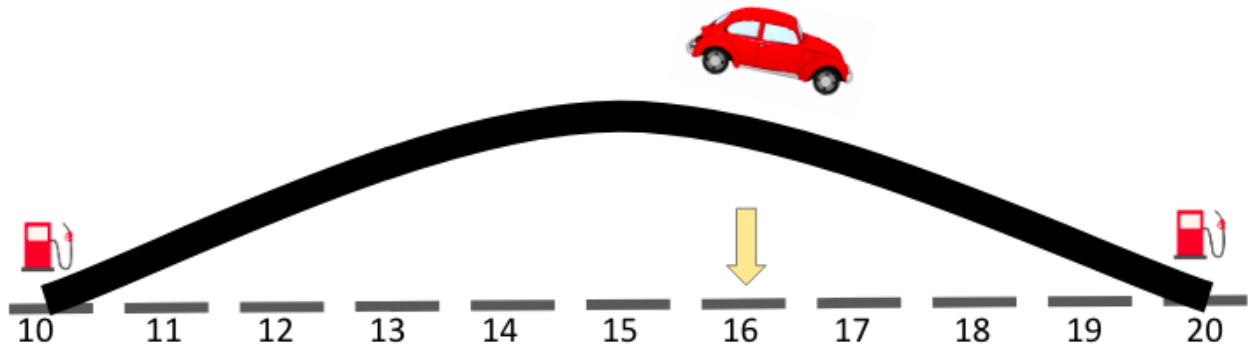
Would you go to the gas station at mile marker 10 or mile marker 20?



Which gas station is closest?

Time to think!

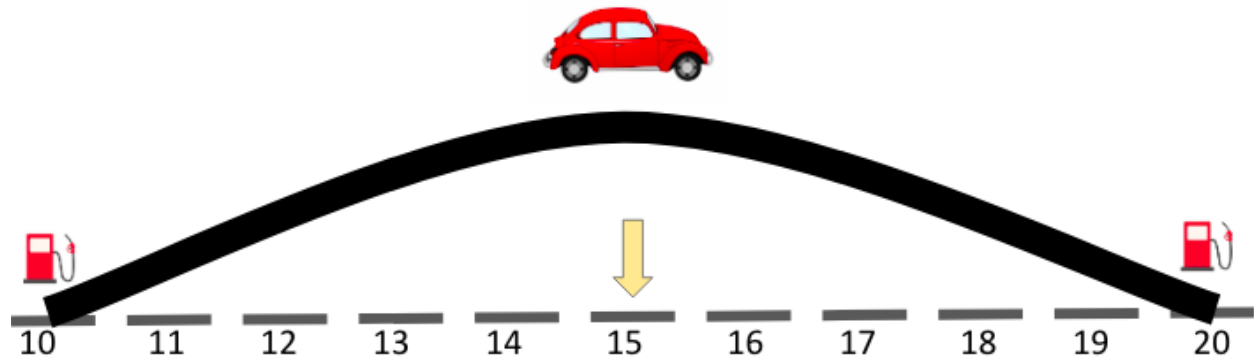
What if we were at mile 16 past the top of the hill?



It would be easier to roll _____ to the gas station at mile _____ than to _____ to the gas station at mile _____.

Time to think!

What if we were at mile 15, right at the top of the hill?



We would round _____ because it would be easier to roll

_____ down to the gas station at mile _____ than

to go back to the gas station at mile _____.

We can also use place value to help us round our numbers!

Let's learn how to round to the nearest place value with this simple rhyme:

If it's _____ or less give it a rest.

If it's _____ or more raise the score.

Rounding Multi-Digit Whole Numbers

Guided Notes

Math 4

Looking at the **ones** place value let's round to the nearest **ten**.

934



So, should we round **up**?

Or **down**?

_____! Because "four or less, give it a rest!"

So, the nearest **ten** would be _____.

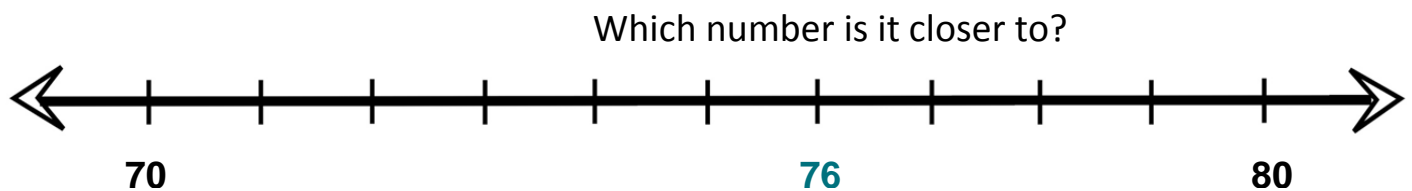
Benchmark Numbers

We can also use _____ **numbers** on a number line to help us round our numbers.

We place our benchmark numbers on the number line.

If we're rounding to the nearest **ten** our benchmark numbers will be the rounded tens on **both sides** of our number.

Let's round **76** to the nearest ten...



___**0!**

And we can also apply our rhyme “Five or more, raise the score!”

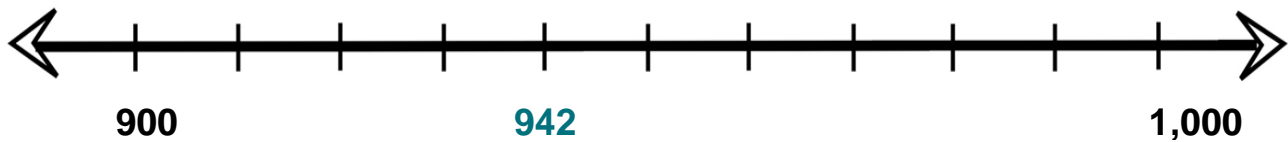
We can use benchmark numbers to help us round to the nearest **hundred** too!

We place our benchmark numbers on the number line.

If we're rounding to the nearest **hundred** our benchmark numbers will be the round _____ on **both sides** of our number.

Let's round **942** to the nearest hundred...

Which number is it closer to?



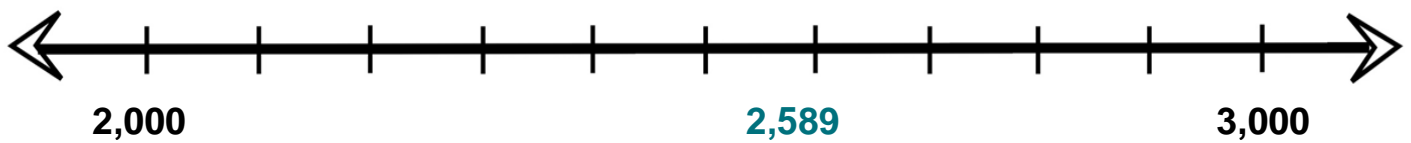
_____!

And we can also apply our rhyme “_____ or less, give it a rest!” because when rounding to the nearest hundred we use the _____ place to tell us whether to go up or down.

Let's do some thinking!

Round **2,589** to the nearest thousand...

Which number is it closer to?



___,000!

If we wanted to apply our rhyme what place value would we look at in order to round to the nearest thousand?

The _____ place! Because you always look at one place
_____ the place value you're rounding to.

2,589

Five or more, give it a score!
Round **up** to 3,000!

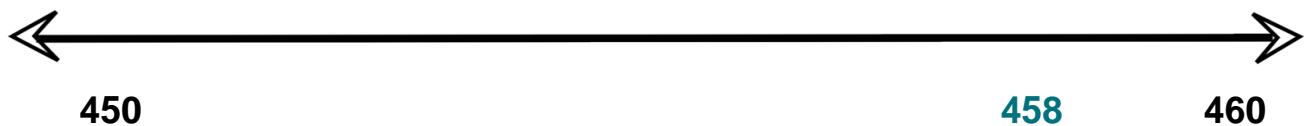
Sample Problem 1

Round **458** to the nearest ten...

Place your benchmark numbers on the number line.

If we're rounding to the nearest **ten** our benchmark numbers will be the **round** _____ on **both sides** of our number.

Which number is it closer to?



4__0!

If we wanted to apply our rhyme what place value would we look at in order to round to the nearest ten?

The _____ place! Because you always look at one place
_____ the place value you're rounding to.

458

Five or more, give it a score!

Round _____ to 4__0!

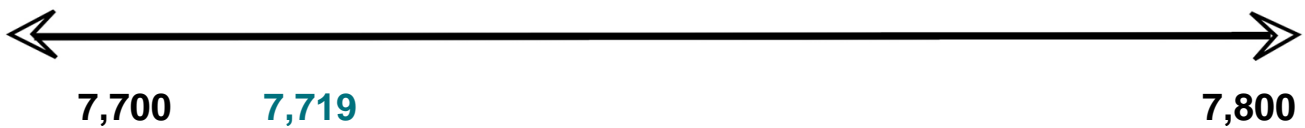
Sample Problem 2

Round **7,719** to the nearest hundred...

Place your benchmark numbers on the number line.

If we're rounding to the nearest **hundred** our benchmark numbers will be the round _____ on **both sides** of our number.

Which number is it closer to?



7, __00!

If we wanted to apply our rhyme what place value would we look at in order to round to the nearest **hundred**?

The _____ place! Because you always look at one place below the place value you're rounding to.

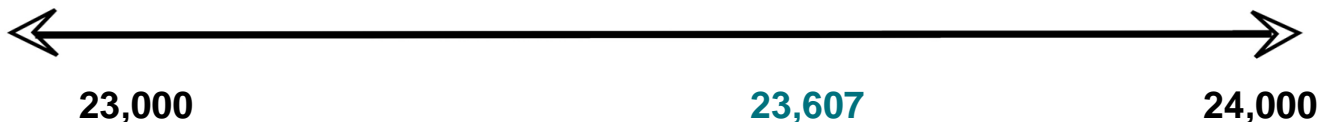
7,719

Four or less, give it a rest!

Round _____ to 7, _____!

Sample Problem 3Round **23,607** to the nearest thousand...Place your benchmark numbers on the number line.If we're rounding to the nearest **thousand** our benchmark numbers will be the round _____ on **both sides** of our number.

Which number is it closer to?

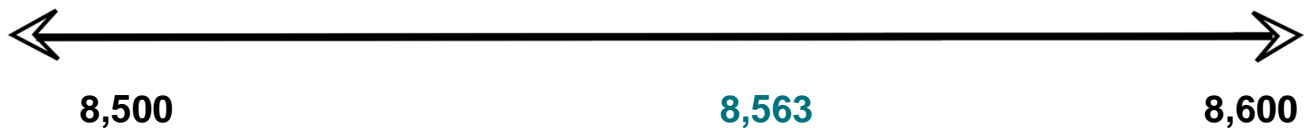
**2__,000!**If we wanted to apply our rhyme what place value would we look at in order to round to the nearest **thousand**?The _____ place! Because you always look at one place below the place value you're rounding to.**23,607**Five or more, give it a score!
Round _____ to 2__,000!

Sample Problem 4

There were 8,563 people traveling to Disney World this summer. About how many people, rounded to the nearest **hundred** were traveling to Disney World?

We used our benchmark numbers on the number line to help us figure it out! When we're rounding to the nearest **hundred** our benchmark numbers are the **round** _____ on **both sides** of our number.

Which number is it closer to?



8, __00!

If we wanted to apply our rhyme what place value would we look at in order to round to the nearest **hundred**?

The _____ place! Because you always look at one place below the place value you're rounding to.

8,563

Five or more, give it a score!

Round ____ to 8, __00!