Lesson 1-3
Compare Whole Numbers

BROADUS LEARNINGS

STANDARD: NBT.7

Compare two multi-digit numbers up to and including 100,000 based on the values of the digits in each place, using >, =, and < symbols to record the results of comparisons.

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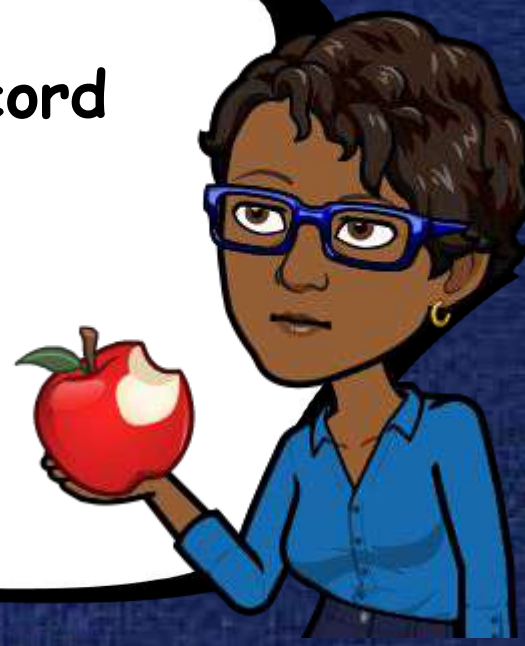
I Can Statement(s):

- ❑ I can use place value to compare numbers and record my comparisons using <, =, or >.
- ❑ I can also model with math.



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Essential Question(s):

1. How do you compare numbers?
2. What place do you look at first when comparing numbers?

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Objective:

Today, we will use place value to compare multi-digit numbers.

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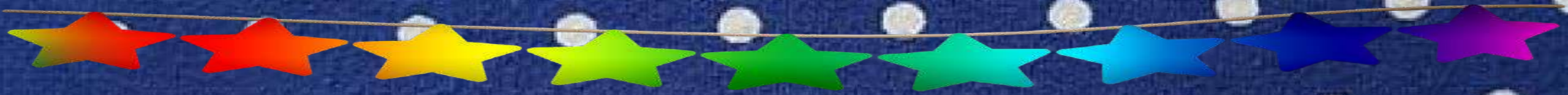

Thinking Caps ON: Think of a situation when you could use the digit 4 to show a small amount of something and another time when you can use the same digit to show a large amount of something. **Why would the digit 4 have a different value in these situations?**

Vocabulary

compare
inequality
greater than >
less than <
equal to
rounding
conjecture

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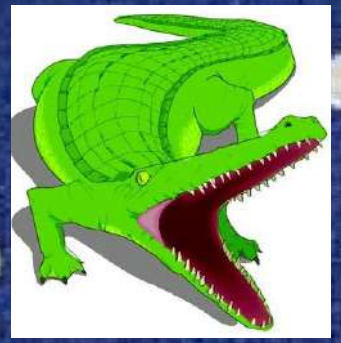
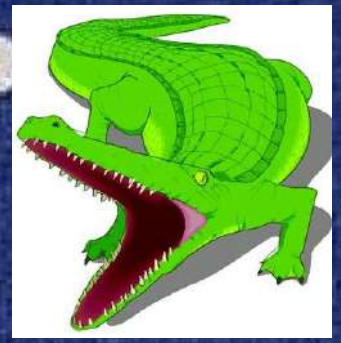
When we **compare** numbers, we use what we know about place value to determine which has a greater value and which has a lesser value.

You may also see the term **inequality**. An inequality is a way of showing that two quantities are not equal using signs such as < or >.

When comparing numbers, <u>always start with the digits in the greatest place value.</u> When comparing 9,567 and 908 we compare the 9 and the 9. The 9 has a value of 9,000 and the 9 has a value of 900 so 9,567 > 908.

9,567
908





Your Turn! Remember that the alligator wants to eat more food, or the larger number!

3,742 374

What is the value of this 3? What is the value of this 3?

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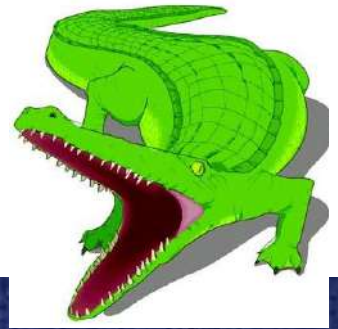
3,742 374

This 3 is worth 3,000.

This 3 is worth 300.

3,742  374

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794 954

What is this 7 worth?

What is this 9 worth?

794 954

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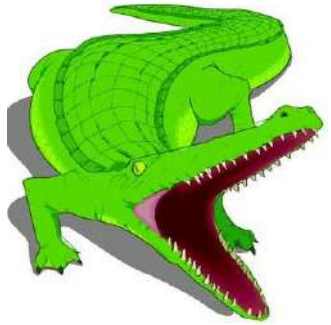
794 954

700 900

794  954

5,392

5,998

What is this 5 worth?

What is this 5 worth?

They are both worth 5,000.
We need to now move to the next digit!

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5,392 5,998

What is this 3 worth?

What is this 9 worth?

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5,392 5,998

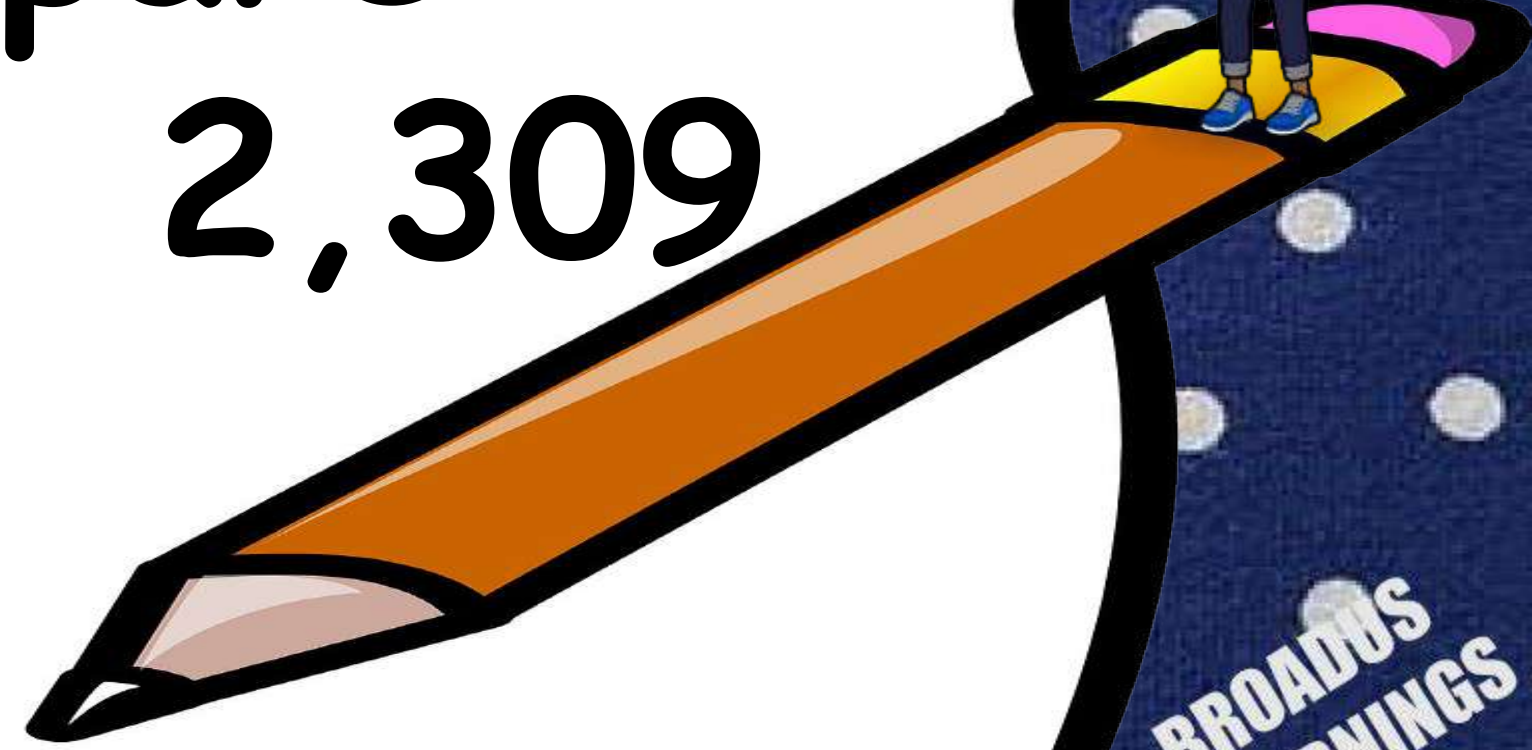
300 900

5,392  5,998

Your Turn:

Compare

2,309 2,309



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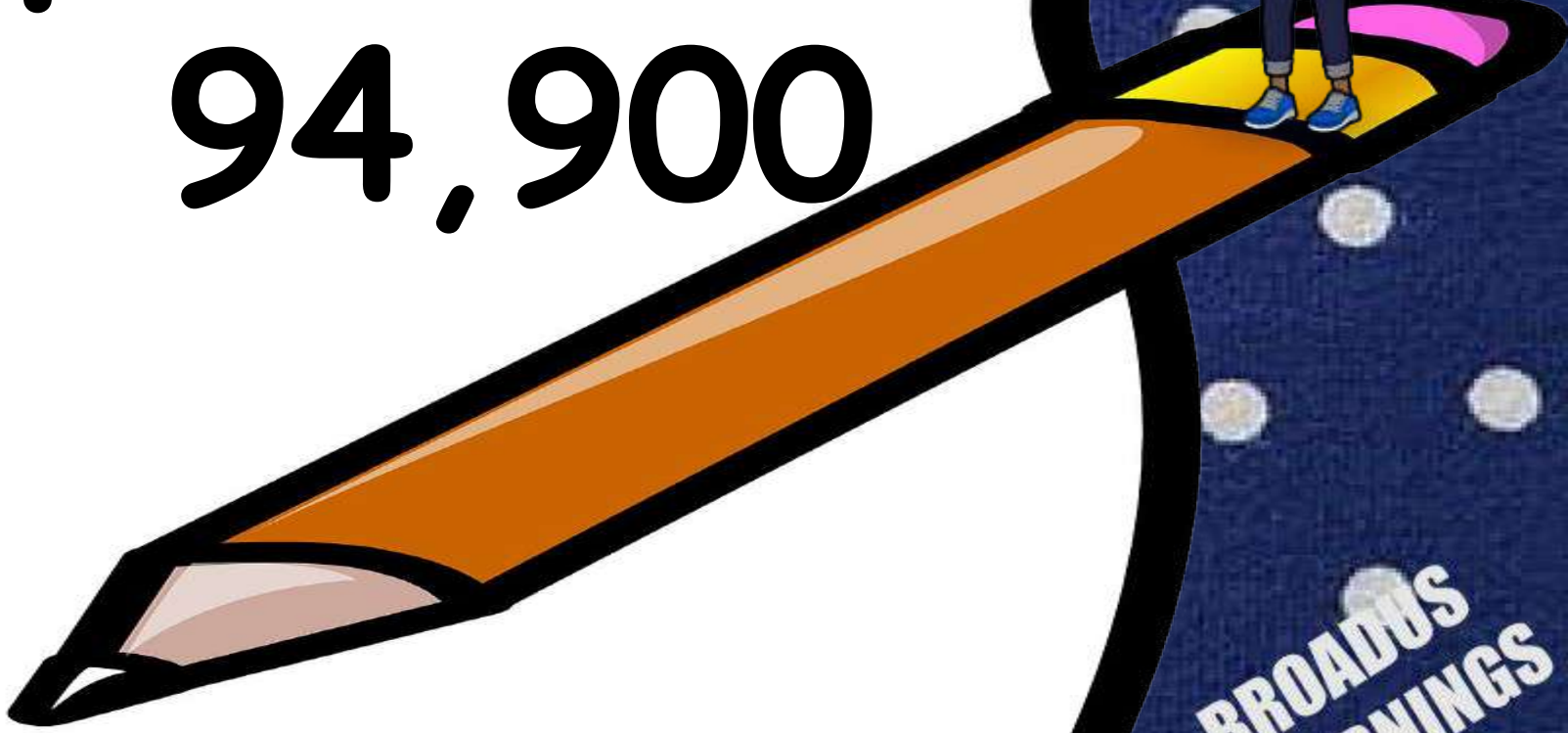
Compare

2,309 = 2,309

Your Turn:

Compare

94,009 94,900



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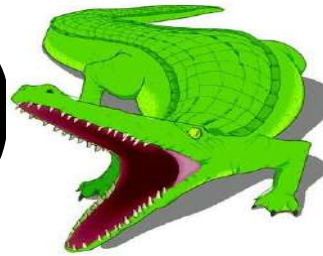
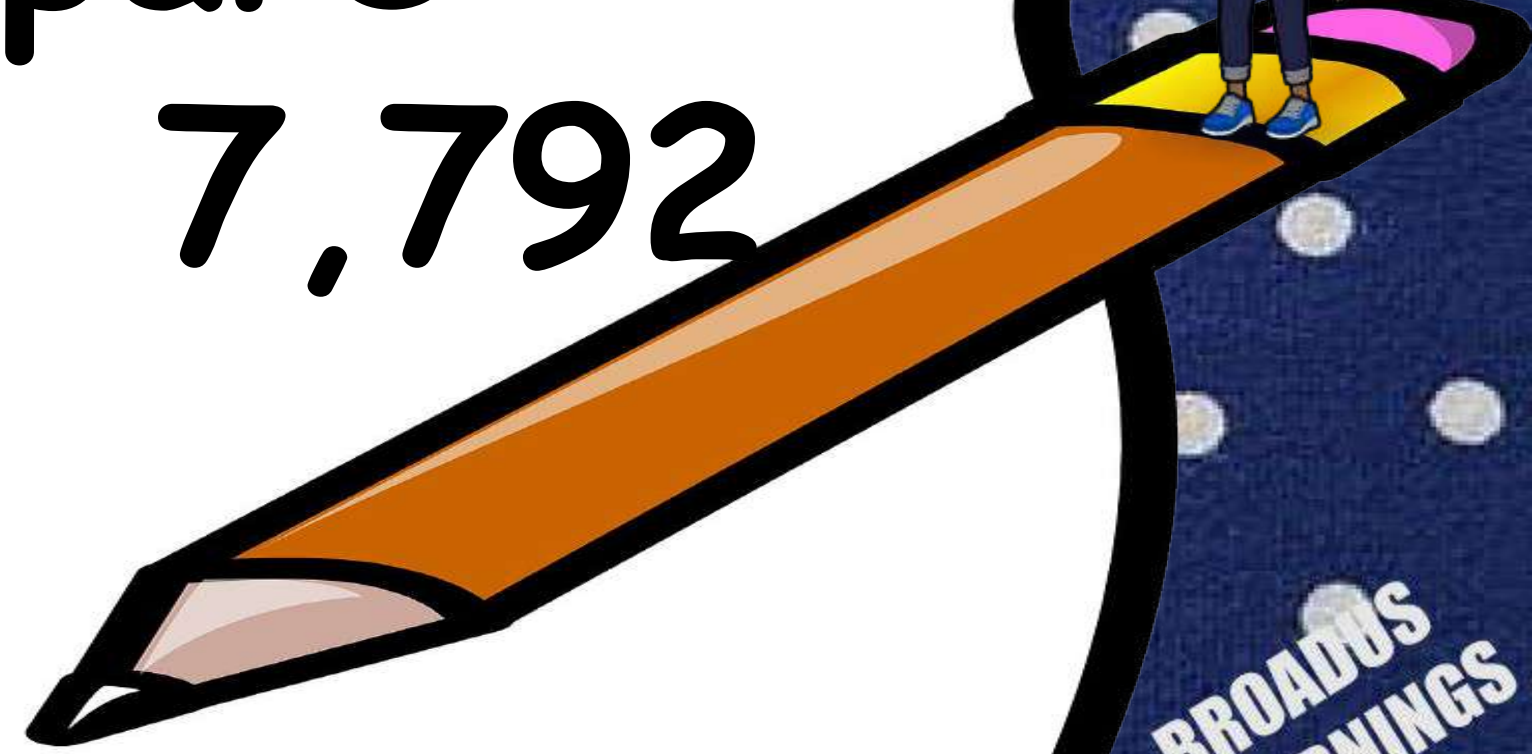
Compare

94,900  94,009

Your Turn:

Compare

7,762 7,792



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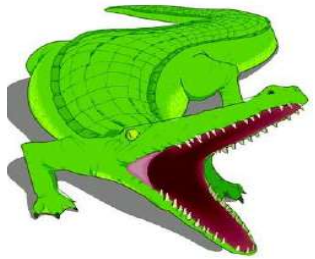
Compare

7,762  7,792

Your Turn:

Last Question: Josie has read 250 pages of her novel and LeAnna has read 298 pages of her novel. What place will you need to use to compare? Who has read more?

250  298

The hundreds place is the same so we must use the **tens place.** LeAnna read more of her novel than Josie.

YOU DID IT

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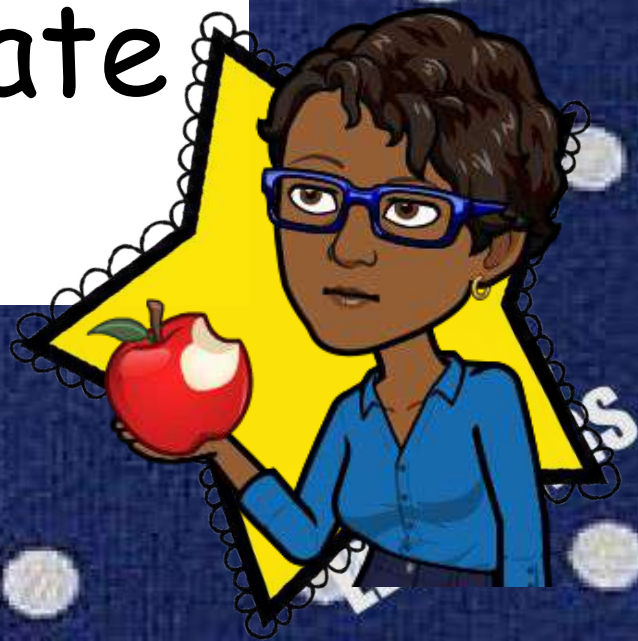
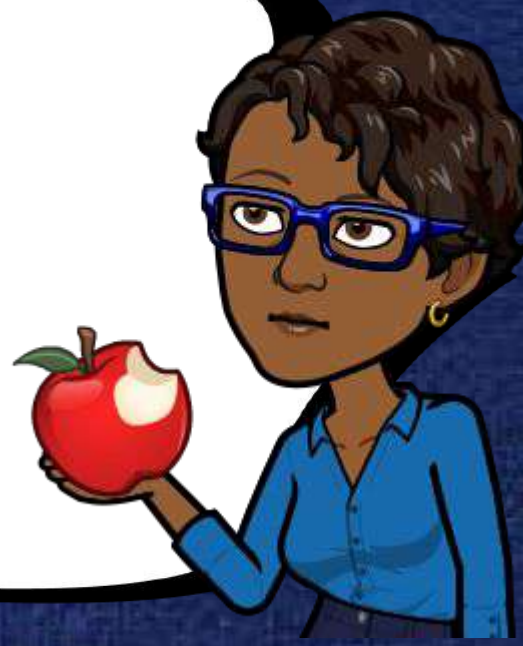
Closing Discussion:

What strategies do you need to use when comparing numbers? How does it relate to a place value chart?



I Can Statement(s):

- ❑ I can use place value to round numbers.
- ❑ I can also use a math tool to solve a problem.



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Essential Question(s):

1. How can you round numbers?
2. What place do you look at when rounding numbers?

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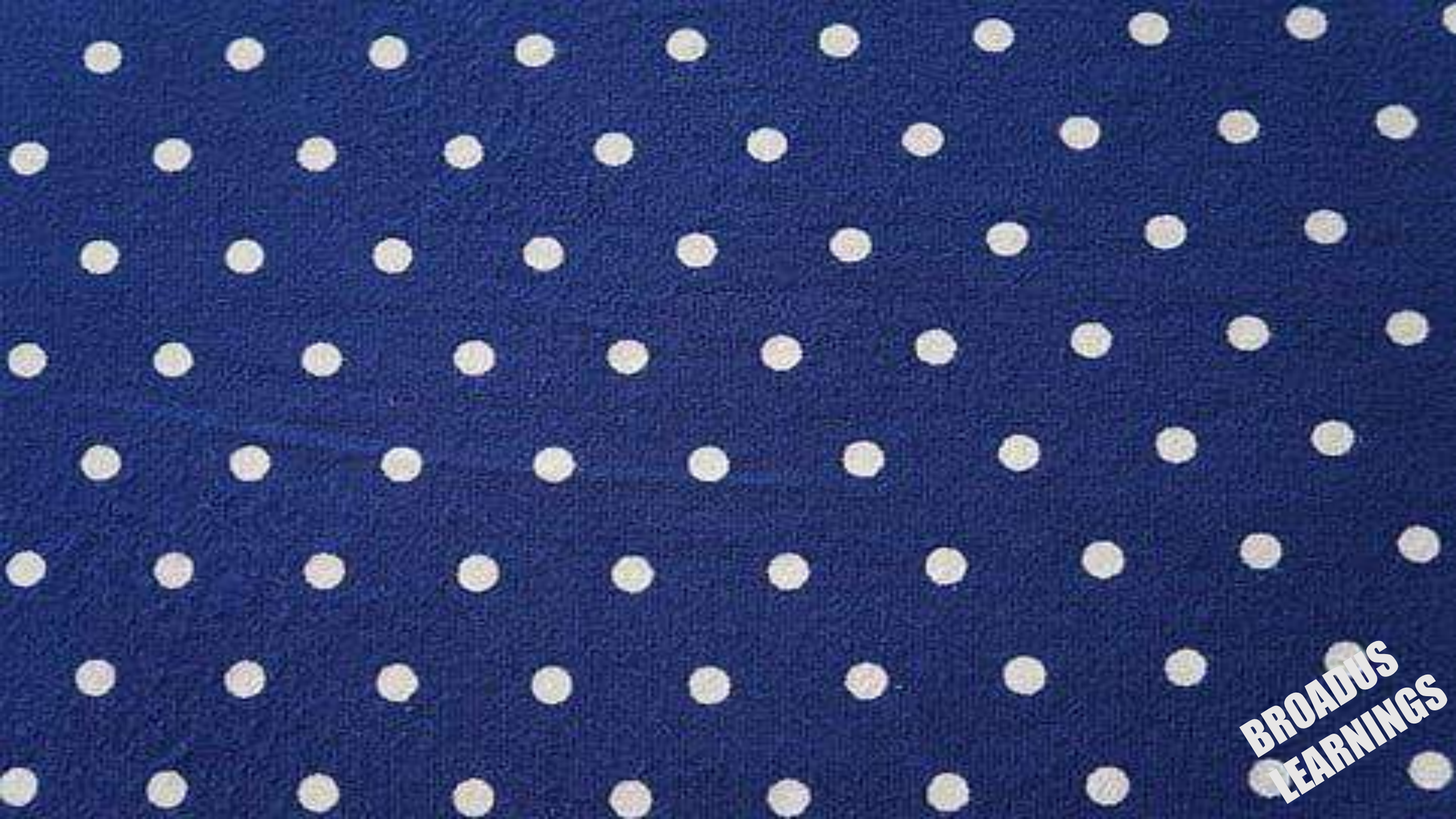
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