

Math Problme Solving



How many more?



There are 523 **red** gummy bears and 297 **yellow** gummy bears. How many more **red** gummy bears are there than the **yellow** ones?

Step 1: What do you need to find out?

There are 523 **red** gummy bears and 297 **yellow** gummy bears.

How many more **red** gummy bears are there than the **yellow** ones?

Step 2: What information do we have?

There are 523 red gummy bears and 297 yellow gummy bears.



Step 3: Represent the problem with a visual model.

523

297

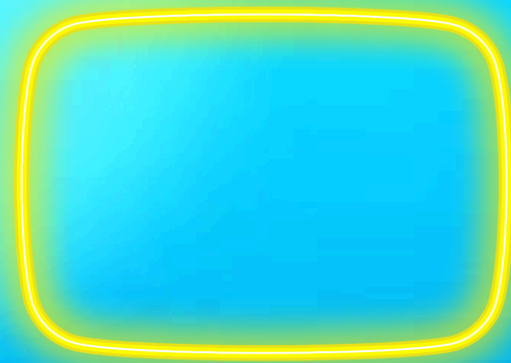


more

Step 4: Represent the problem with equations.

523

297

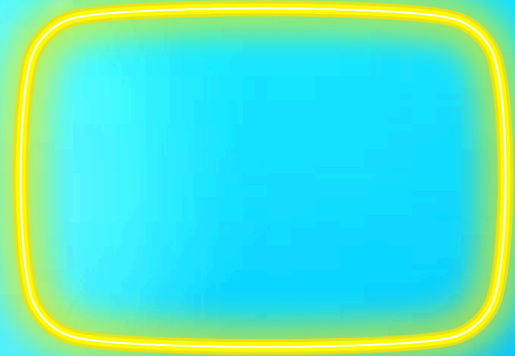


unknown

Step 4: Represent the problem with equations.

523

297



$$297 + \square = 523$$

$$523 - 297 = \square$$

Step 5: Find the value of the unknown in the equation.

$$297 + \boxed{} = 523$$

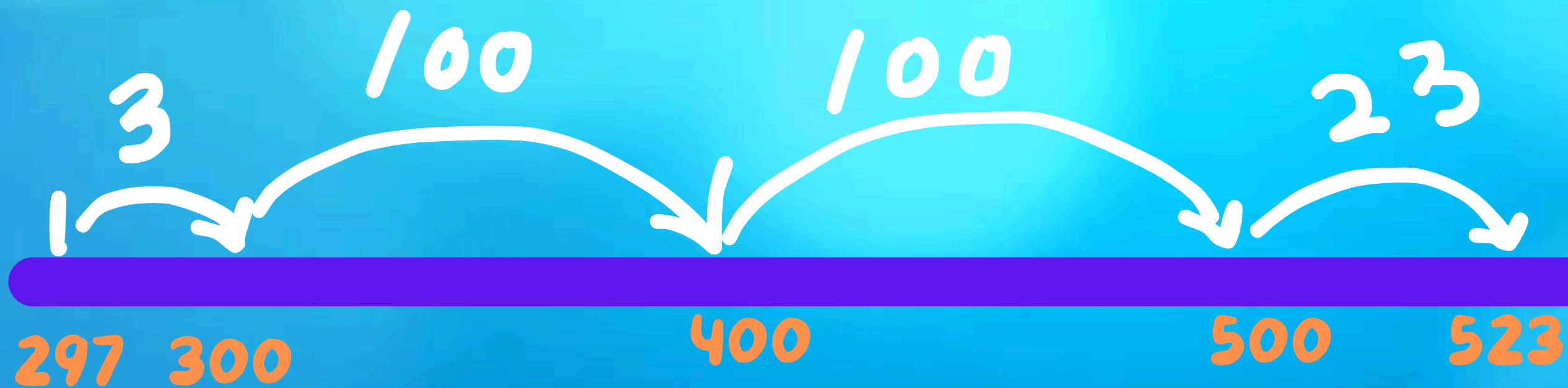
$$523 - 297 = \boxed{}$$

There are different ways to find the unknown value.

Step 5: Find the value of the unknown in the equation.

$$297 + \square = 523$$

$$3 + 100 + 100 + 23 =$$



Step 5: Find the value of the unknown in the equation.

$$297 + \square = 523$$

$$3 + 100 + 100 + 23 = 226$$

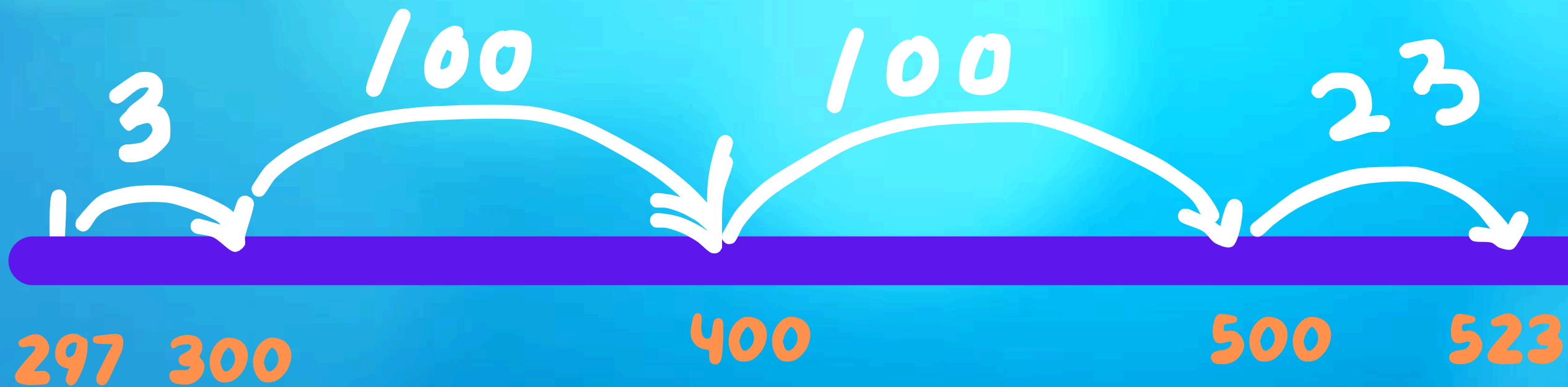
200

26

Step 5: Find the value of the unknown in the equation.

$$297 + \boxed{226} = 523$$

Counting on to find the more!



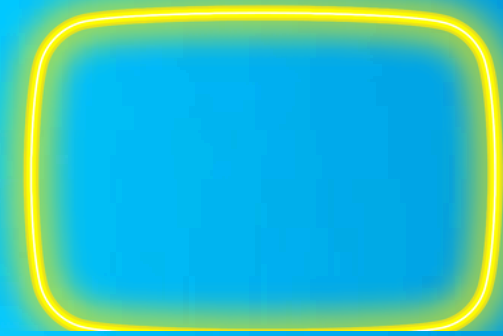
$$3 + 100 + 100 + 23 = 226$$

Step 5: Find the value of the unknown in the equation.

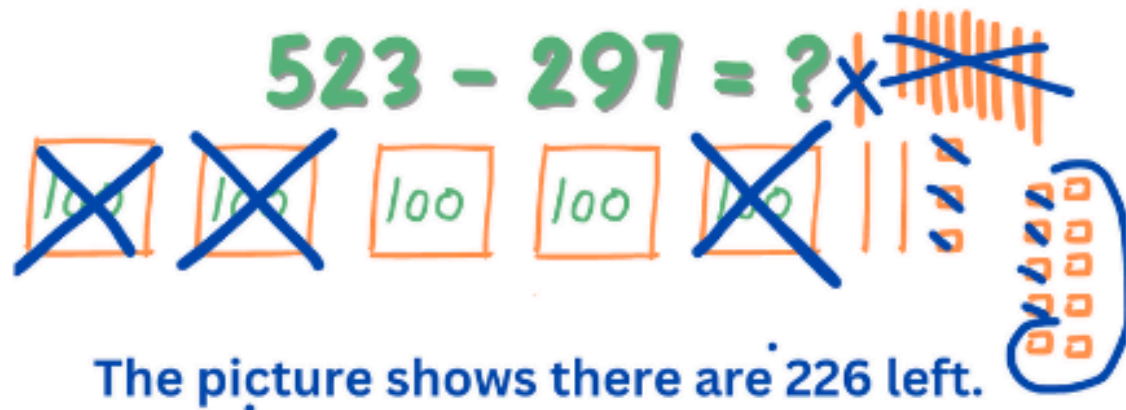
Another way to find the unknown value:

Subtracting to find the more!

$$523 - 297 =$$

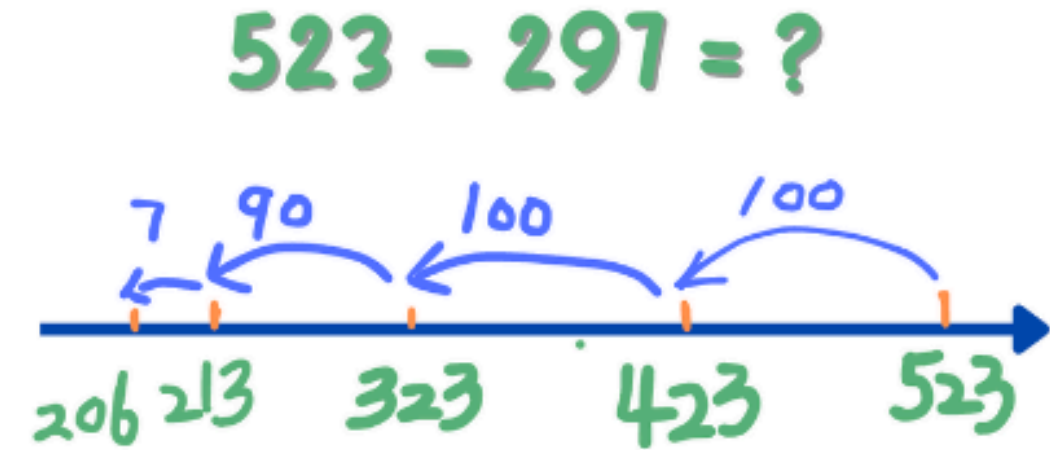


Pictorial Way



Different Ways to Subtract 3-Digit Numbers

Counting Back



Compensation Way

$523 - 297 = ?$

$523 - 300 = 223$

$223 + 3 = 226$

297 + 3 = 300

Decomposing Way

$523 - 200 = 323$

$323 - 90 = 233$

$233 - 7 = 226$

$523 - 297 = 226$

Place Value Way (Standard Algorithm)

Hundreds 100s	Tens 10s	Ones 1s
4 2	4 2 9	3 7
2	2	6

Step 5: Find the value of the unknown in the equation.

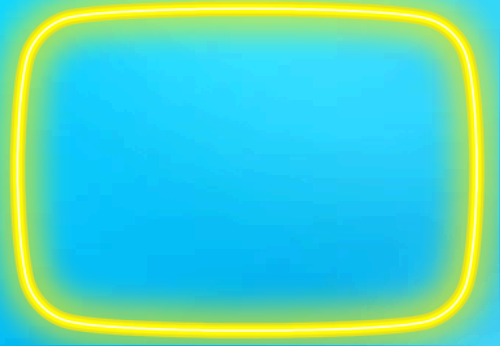
Another way to find the unknown value:

$$523 - 297 = 226$$



523

297



There are 226 more red gummy bears than the yellow ones.