Find 481 + 122. Use an open number line.

One Way
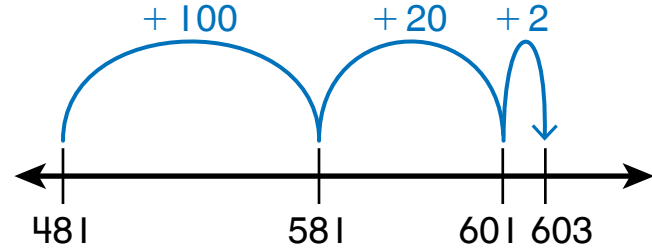
+ 100   + 10 + 10 + 1 + 1

481   581   591   601
602 603
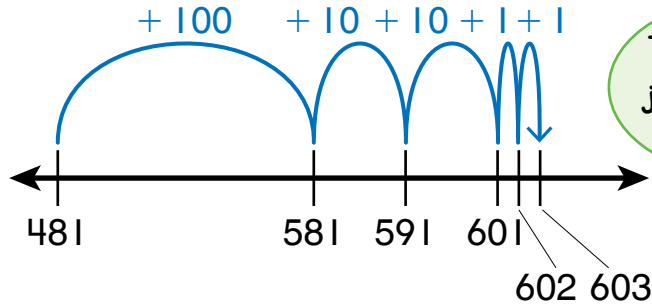
$481 + 122 = 603$

This way shows jumps by 100s, 10s, and 1s.

Another Way

This way shows how you can make bigger jumps.

+ 100   + 20   + 2

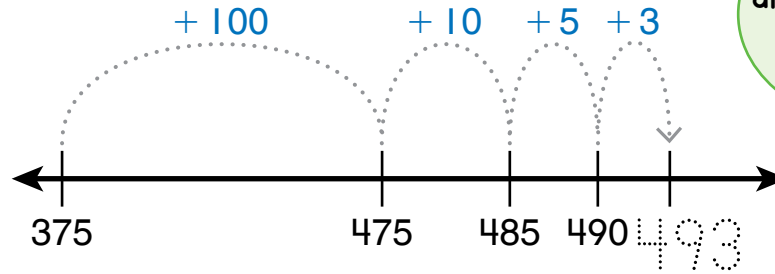481   581   601 603

Both ways are correct.

Do You Understand?

Show Me! Explain how you can use an open number line to find 599 + 205.

Guided Practice   Use an open number line to find each sum.

1. 375 + 118 = _____

+ 100   + 10   + 5   + 3

375   475   485 490 493

Breaking apart an addend does not change the value being added.

2. 670 + 232 = _____

Independent Practice ✩ Use an open number line to find each sum.

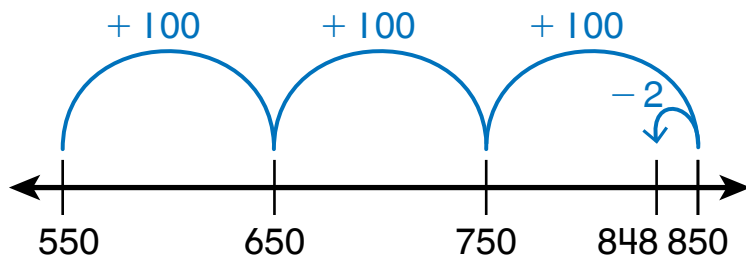**3.** $278 + 152 =$ _____

4. $637 + 242 =$ _____

5. $197 + 523 =$ _____

6. $202 + 598 =$ _____

7. Higher Order Thinking Lisa finds $550 + 298$ using the open number line below. Is her work correct? Explain.

+ 100   + 100   + 100
                          − 2

550   650   750   848 850

8. © **MP.2 Reason** Jose has 181 cards. He collects 132 more. How many cards does he have now?

⟷

_____ cards

9. (A-Z) **Vocabulary** Complete the sentence using two of these terms.

add   tens   open number line   rule

An _____

can be used to

_____.

10. Higher Order Thinking Use open number lines to find $446 + 215$ in two different ways.

$446 + 215 =$ _____

⟷   ⟷

11. © **Assessment** Mary uses an open number line to find $286 + 137$. All of the jumps she draws are greater than 1. Draw what Mary could have done. Write the sum.

$286 + 137 =$ _____

⟷