



# Subtraction Algorithms (Part 2)

Let's learn more about our first subtraction algorithm.



## Warm-up

### True or False: Does It Commute?

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $4 \times 5 = 5 \times 4$
- $125 + 200 = 200 + 125$
- $300 - 100 = 100 - 300$

## Activity 1

### Revise Subtraction Work

Lin's work for finding the value of  $428 - 156$  is shown.

$$\begin{array}{r} (400 + 20 + 8) \\ - (100 + 50 + 6) \\ \hline 300 + 30 + 2 \end{array}$$

1. What error do you see in Lin's work?
2. What would you tell or show Lin so she can revise her work?



## Activity 2

### Try the Algorithm

Here is a subtraction algorithm you saw in an earlier lesson:

$$\begin{array}{r} \phantom{(} \phantom{300 + } \overset{80}{\cancel{90}} + \overset{11}{\cancel{1}} \\ (300 + \phantom{00} + \phantom{00}) \\ - (200 + 10 + 5) \\ \hline \end{array}$$

Try using this algorithm to find the value of each difference. Show your reasoning. Organize your work so it can be followed by others.

1.  $283 - 159$

2.  $425 - 192$

3.  $639 - 465$

4.  $591 - 128$

5.  $832 - 575$

