

## Adding Hundreds to a 3-Digit Number

Calculate the answers to the following:

- $163 + 500 =$  \_\_\_\_\_
- $345 + 600 =$  \_\_\_\_\_
- $582 + 400 =$  \_\_\_\_\_
- $273 + 300 =$  \_\_\_\_\_
- $561 + 200 =$  \_\_\_\_\_
- $170 + 700 =$  \_\_\_\_\_
- $207 + 500 =$  \_\_\_\_\_
- $719 + 100 =$  \_\_\_\_\_
- $372 + 800 =$  \_\_\_\_\_
- $460 + 700 =$  \_\_\_\_\_
- $508 + 900 =$  \_\_\_\_\_
- $721 + 500 =$  \_\_\_\_\_
- $549 + 800 =$  \_\_\_\_\_
- $672 + 700 =$  \_\_\_\_\_
- $701 + 900 =$  \_\_\_\_\_
- $927 + 600 =$  \_\_\_\_\_
- $116 + 700 =$  \_\_\_\_\_
- $352 +$  \_\_\_\_\_  $= 1252$
- \_\_\_\_\_  $+ 400 = 859$
- $824 + 300 =$  \_\_\_\_\_
- $562 + 900 =$  \_\_\_\_\_
- \_\_\_\_\_  $+ 300 = 916$
- $752 +$  \_\_\_\_\_  $= 1552$
- $911 + 700 =$  \_\_\_\_\_

### Challenge

Explain how you would use  $9 + 4 = 13$  to calculate  $931 + 400$ .

# Subtracting Hundreds from a Three Digit Number

Calculate the answers to the following:

1.  $353 - 200 =$  \_\_\_\_\_ 9.  $268 - 200 =$  \_\_\_\_\_

2.  $416 - 400 =$  \_\_\_\_\_ 10.  $416 - 100 =$  \_\_\_\_\_

3.  $531 - 300 =$  \_\_\_\_\_ 11.  $547 - 300 =$  \_\_\_\_\_

4.  $789 - 500 =$  \_\_\_\_\_ 12.  $346 - 100 =$  \_\_\_\_\_

5.  $564 - 300 =$  \_\_\_\_\_ 13.  $564 - 400 =$  \_\_\_\_\_

6.  $820 - 600 =$  \_\_\_\_\_ 14.  $893 - 600 =$  \_\_\_\_\_

7.  $707 - 500 =$  \_\_\_\_\_ 15.  $507 - 500 =$  \_\_\_\_\_

8.  $919 - 700 =$  \_\_\_\_\_ 16.  $919 - 400 =$  \_\_\_\_\_

## Challenge

Take any three digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

**e.g.  $672 - 100 = 572$ ,  $572 - 300 = 272$ ,  $272 - 200 = 72$ .**

100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many subtractions as possible are there any patterns?