Solve and Check

Homework

Dear Family Member:

Your child has been practicing a variety of subtraction problem solving methods and strategies. The goal is to be able to have many ways to find answers and solve problems in a variety of situations. An example of the expanded-form method for subtraction is shown below.

Expanded form shows a number expanded into an addition statement. Note how the hundreds, tens, and ones are aligned.

Students have also been using addition to check their subtraction. If they add the number they took away back to their answer, they should get the number they started out with.

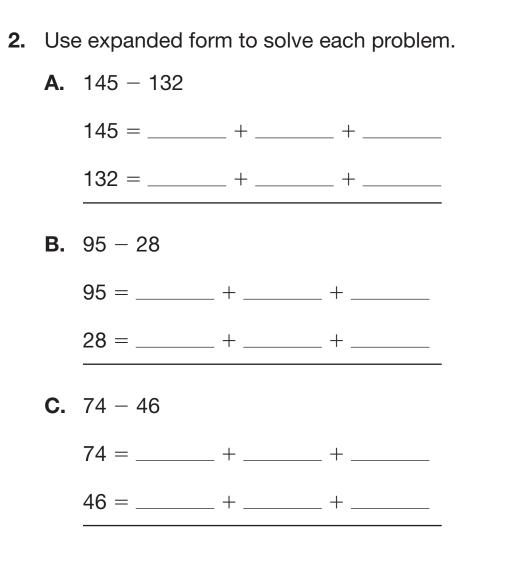**Expanded Form Method to solve 167 − 129:**

$$167 = 100 + 60 + 7 = 100 + 50 + 17$$
$$129 = 100 + 20 + 9 = 100 + 20 + 9$$
$$30 + 8 = 38$$

Thank you.

1. Circle the true number sentences.

    A. $81 = 70 + 11$

    B. $165 = 150 + 15$

    C. $128 = 100 + 10 + 18$

    D. $205 = 100 + 10 + 15$

    E. $53 = 5 + 30$

    F. $117 = 100 + 17$

2. Use expanded form to solve each problem.

A. 145 − 132

145 = _____ + _____ + _____

132 = _____ + _____ + _____

_____

B. 95 − 28

95 = _____ + _____ + _____

28 = _____ + _____ + _____

_____

C. 74 − 46

74 = _____ + _____ + _____

46 = _____ + _____ + _____

_____

3. Emily solved 119 − 57. Her answer was 62. She used addition to check her subtraction.

62 (my answer)
+ 57 (the number I took away)
119 (the number I started with)

When I add my answer to the number I took away, I get the number I started with, 119. Now I know my answer is correct!

Emily

Show how to use addition like Emily to check the problem in Question 2C.