Name _____ Date _____

Extension
Lesson 1

Place Value and Expanded Form

Find the mystery number.

1

I. I am a three-digit number.

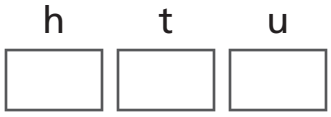
II. My ones digit is 4 times my hundreds digit.

III. I am a square number.

_____

2

I. I am a three-digit number.



II. My hundreds digit minus my tens digit is 3. ($h - t = 3$)

III. My tens digit minus my ones digit is 3. ($t - u = 3$)

IV. The product of my digits is 80. ($h \times t \times u = 80$)

_____

3

I. I am a three-digit number.

II. I am a factor of 888.

III. The product of my digits is 64.

_____

4

I. I am an even three-digit number less than 500.

II. I am a multiple of 71.

III. My tens digit is the product of my hundreds digit and my ones digit.

_____

Name _____ Date _____

Extension
Lesson 2

Breaking Up Numbers to Add

Find the sum. Write a story to go with the number sentence.

365 + 61 = _____

Name _____ Date _____

Extension
Lesson 3

Breaking Up Numbers to Subtract

Complete the number sentence.

1. $849 - \square = 213$
2. $\square - 37 = 642$
3. $216 + \square = 304$
4. $\square - 48 = 734$
5. $311 + \square = 400$
6. $\square - 59 = 177$
7. $609 + \square = 818$
8. $\square + 29 = 111$
9. $747 - 66 = \square$
10. $\square - 612 = 115$
11. $725 + \square = 907$
12. $\square + 521 = 1{,}016$

Name _____ Date _____

Extension
Lesson 4

Comparing Addition and Subtraction

Each letter stands for a digit from 0 through 9. Each letter only has one value, but two different letters might have the same value. Figure out what digit each letter stands for.

1

$$\begin{array}{r} \text{AC,ACA} \\ +\ \text{BC,BCB} \\ \hline \text{ACA,CAC} \end{array}$$

2

$$\begin{array}{r} \text{W,XYZ} \\ +\ \text{W,XVZ} \\ \hline \text{YZ,VWZ} \end{array}$$

3 If the letter O stands for 8 and the letter U stands for 7, what do the rest of the letters stand for?

$$\begin{array}{r} \text{TWO} \\ +\ \text{TWO} \\ \hline \text{FOUR} \end{array}$$

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Extension
Lesson 5

Addition Shortcuts and Rounding

Each letter stands for a digit from 0 through 9.
Different letters must have different values.
Figure out what digit each letter stands for.

$$\begin{array}{r} ABC \\ ABC \\ +\ ABC \\ \hline B,2AD \end{array}$$

Name _____ Date _____

Extension
Lesson 6

Addition and Subtraction Situations

1. Complete the number sentence and write a story to go with it.

614 + 128 − 243 = _____

2. **A** On a separate sheet of paper, secretly write and complete a number sentence with at least 1 addition and 1 subtraction in it.

   B On this page, write a story to go with the number sentence.

   C Have a partner write a number sentence to match your story.

   D Compare your partner's number sentence to yours.