Section B: Practice Problems

1. Find the value of $472 - 155$ in a way that makes sense to you.

(From Unit 3, Lesson 7.)

2. Here is a subtraction calculation.

$$
\begin{array}{r}
\quad 400 \quad\ 140 \\
500 + 40 + 5 \\
- \quad 300 + 60 + 3 \\
\hline
100 + 80 + 2
\end{array}
$$

a. Explain what the 400 above the 500 means.

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b. Explain what the 140 above the 40 means.

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c. Explain how the calculation works to find $545 - 363$.

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(From Unit 3, Lesson 8.)

3. a. Write 518 and 346 in expanded form.

    b. Use the expanded form to find the difference of the two numbers.

    (From Unit 3, Lesson 9.)

4. a. Use an algorithm of your choice to find the value of $316 - 154$.

    b. Use an algorithm of your choice to find the value of $647 - 285$.

    (From Unit 3, Lesson 10.)

5. Use an algorithm of your choice to find the value of each difference.

   a. $218 - 136$

   b. $473 - 258$

(From Unit 3, Lesson 11.)

6. Use a strategy or algorithm of your choice to find the value of each difference.

   a. $573 - 299$

   b. $653 - 341$

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c. $371 - 158$

(From Unit 3, Lesson 12.)

7. **Exploration**

Here is Noah's way to find the value of $523 - 371$.

$$371 + 100 = 471$$
$$471 + 30 = 501$$
$$501 + 20 = 521$$
$$521 + 2 = 523$$

The answer is $100 + 30 + 20 + 2 = 152$.

a. Explain why Noah's method works.

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b. Use Noah's method to calculate $618 - 266$.

8. **Exploration**

a. Find the value of $600 - 253$. Explain or show your reasoning.

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b. How is this problem different from other subtraction problems you have solved?

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