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Grade 3, Unit 3, Section B: Additional Practice Problems

1. a. Find the value of $352 - 142$.

b. Find the value of $423 - 168$.

c. Find the value of $507 - 323$.

(From Unit 3, Lesson 7.)

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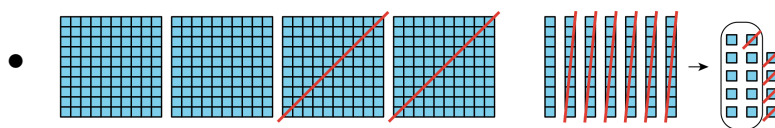
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2. Match the expanded form problem with the base-ten block diagram that shows the same answer.

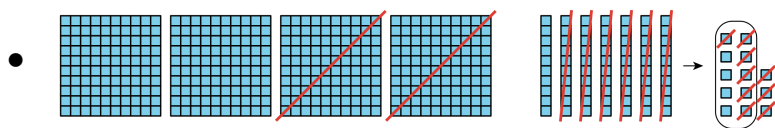
a.

$$\begin{array}{r} 300 + \cancel{80} + \cancel{4} \\ - 200 + 20 + 6 \\ \hline \end{array}$$



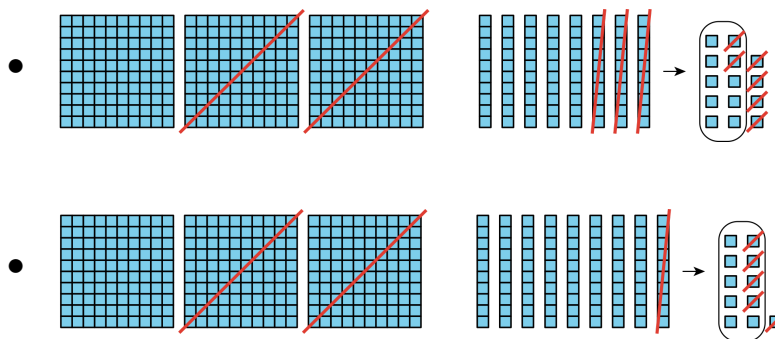
b.

$$\begin{array}{r} 400 + \cancel{70} + \cancel{4} \\ - 200 + 50 + 5 \\ \hline \end{array}$$



c.

$$\begin{array}{r} 400 + \cancel{70} + \cancel{3} \\ - 200 + 50 + 9 \\ \hline \end{array}$$



(From Unit 3, Lesson 8.)

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3. a. Identify the error in the expanded form problem. Describe or circle the error.

$$\begin{array}{r} 600 + 30 + 3 \\ - 400 + 60 + 1 \\ \hline \end{array}$$

$$200 + 30 + 2$$

- b. What is the correct difference? Write in expanded form.

(From Unit 3, Lesson 9.)

4. How are these two methods similar?

Kiran's algorithm	Mai's algorithm
$\begin{array}{r} 400 \quad 130 \\ \cancel{500} + \cancel{30} + 4 \\ - 400 + 50 + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \quad 13 \\ \cancel{5} \quad \cancel{3} \quad 4 \\ - 4 \quad 5 \quad 3 \\ \hline \end{array}$

Solve using any method that you like. Show your work.

(From Unit 3, Lesson 10.)

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5. Use any method to find the value of the difference. Explain the method you used.

$$\begin{array}{r} 644 \\ - 457 \\ \hline \end{array}$$

(From Unit 3, Lesson 11.)

6. Use any method to solve.

a. $305 - 284$

b. $620 - 453$

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c. $721 - 564$

d. Explain the strategy or algorithm used for each and how they were the same or different.

(From Unit 3, Lesson 12.)

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7. EXPLORATION

Use these numbers to write a subtraction problem to make the largest and smallest difference you can. Use each number only once for each part of the question.

1 3 4 5 6 8

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Describe how you found the largest difference. Describe how you found the smallest difference. Describe any challenges you had.