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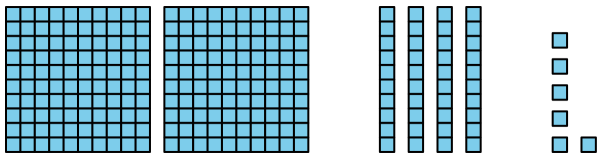
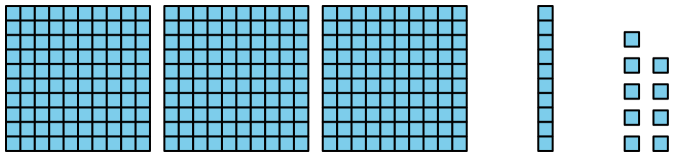
Grade 3, Unit 3, Section A: Additional Practice Problems

1. Decide if each statement is true or false. Circle the correct answer.

a. 

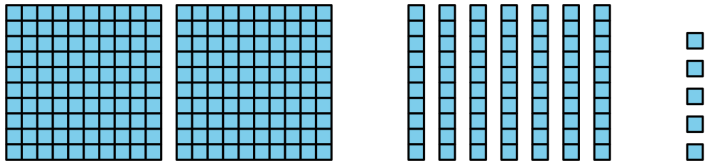
246 200 + 40 + 6

True False

b. 

319 300 + 1 + 19

True False

c. 

275 200 + 70 + 5

True False

(From Unit 3, Lesson 1.)

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2. Tyler walked 563 steps going to the store. He walked 254 more steps getting his mail. How many steps did he walk in all? Show or explain how you solved the problem.

A. 309

A. 717

B. 724

C. 817

(From Unit 3, Lesson 2.)

3. Diego and Priya find the value of 346 + 258.

Diego's work	Priya's work
300 + 200 = 500 40 + 50 = 90 6 + 8 = 14 500 + 90 + 14 = 604	6 + 8 = 14 40 + 50 = 90 300 + 200 = 500 14 + 90 + 500 = 604

a. Use Diego's method to solve 432 + 267.

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b. Use Priya's method to solve 432 + 267.

c. Whose method do you prefer and why?

_____

_____

_____

(From Unit 3, Lesson 3.)

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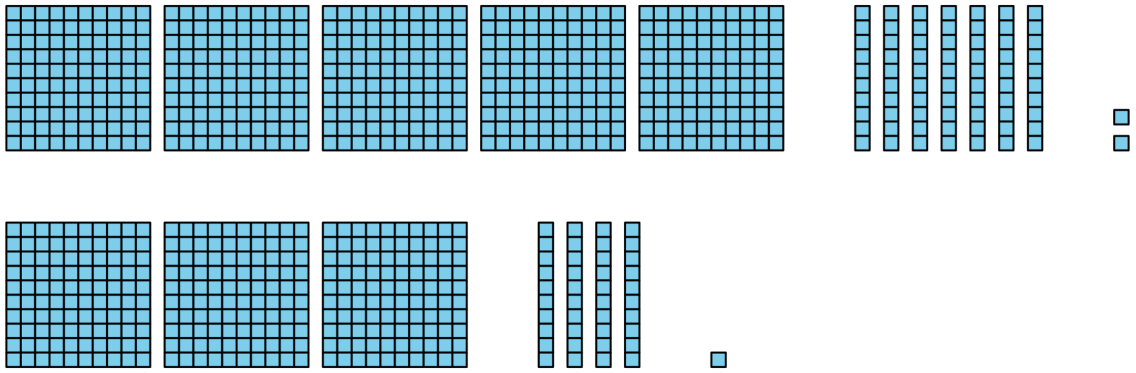
4. a. Write an addition algorithm that can be used to find the sum of the two numbers represented by the base ten blocks.



b. What is the sum?

(From Unit 3, Lesson 4.)

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5. Look at Noah and Lin's algorithms.

   a. Show where the 8, 70, and 600 are found in Lin's algorithm.

Han's algorithm

$$\begin{array}{r} 326 \\ +352 \\ \hline 8 \\ 70 \\ +600 \\ \hline 678 \end{array}$$

Elena's algorithm

$$\begin{array}{r} 326 \\ +352 \\ \hline 8 \end{array} \qquad \begin{array}{r} 326 \\ +352 \\ \hline 78 \end{array} \qquad \begin{array}{r} 326 \\ +352 \\ \hline 678 \end{array}$$

   b. How do you know that you found the 8, 70, and 600 in Elena's algorithm?

(From Unit 3, Lesson 5.)

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6. Match each addition expression to its value.

a. 460 + 249	• 531
b. 186 + 345	• 709
c. 831 + 59	• 890

7. EXPLORATION
   Model 2 different three-digit numbers with base ten blocks. Show two different ways that you can add your numbers. Which algorithm worked best for your numbers?