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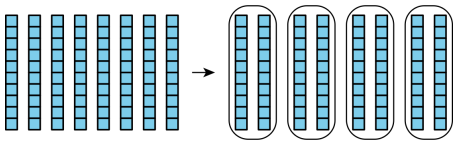
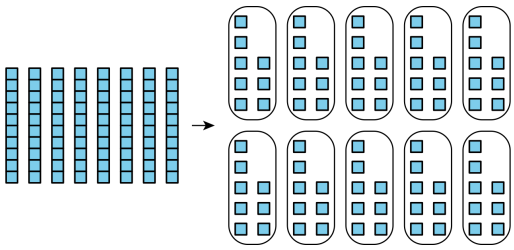
Grade 3, Unit 4, Section D: Additional Practice Problems

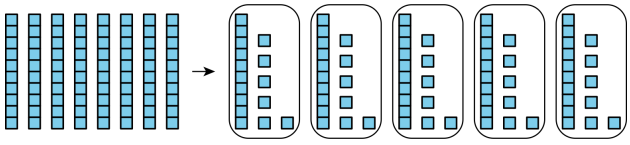
1. There are 78 plants in a garden. They are planted in 6 rows with the same number of plants in each row. How many plants are in each row? Show your thinking using diagrams, symbols, and other representations.

(From Unit 4, Lesson 18.)

2. Match the division expression to the correct model.

a. 

b. 

c. 

- $80 \div 8$
- $80 \div 5$
- $80 \div 4$

(From Unit 4, Lesson 19.)

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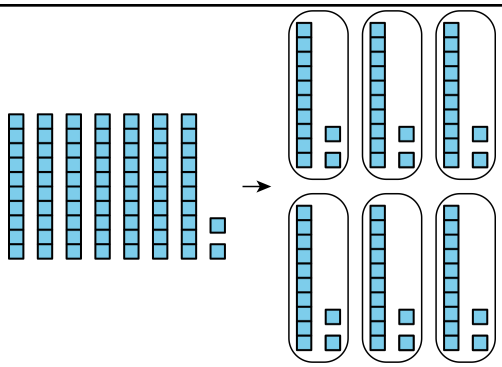
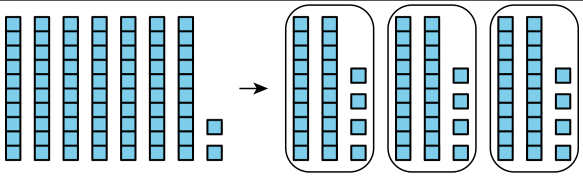
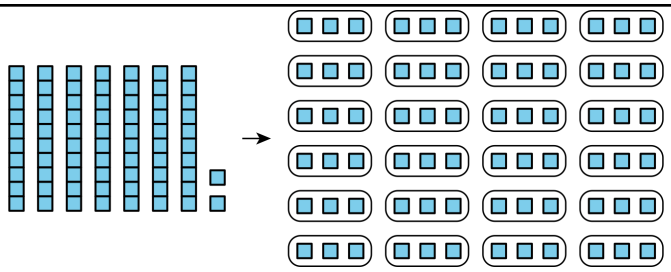
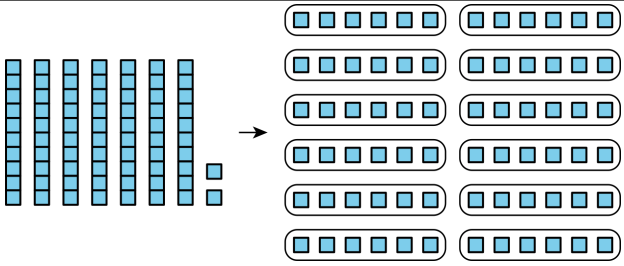
3. Classify the representations that can be used to find the value of each expression. Choose either $72 \div 3$, $72 \div 4$, or $72 \div 6$.

A. 	
B. 	
C. 	
D. 	

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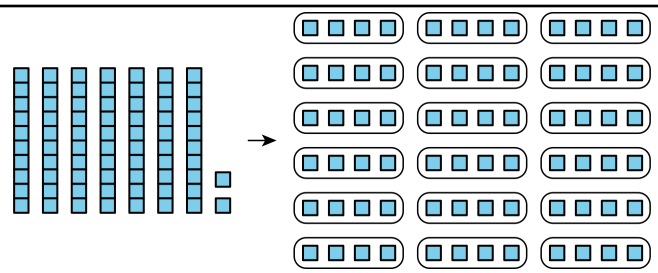
E. 

(From Unit 4, Lesson 20.)

4. a. Han's work to solve a division problem is shown.

$$\begin{aligned} 2 \times 10 &= 20 \\ 2 \times 10 &= 20 \\ \underline{2 \times 7 &= 14} \\ 2 \times 27 &= 54 \end{aligned}$$

Which of the following could be the division problem?

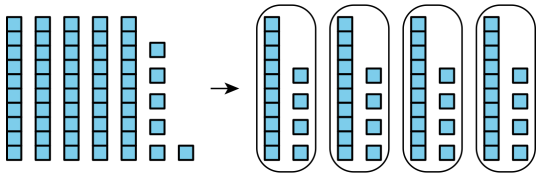
A. $54 \div 3$

B. $54 \div 2$

C. $27 \div 2$

D. $27 \div 3$

b. Elena's work to solve a division problem is shown.



Which of the following could be the division problem?

A. $14 \div 2$

B. $14 \div 4$

C. $56 \div 2$

D. $56 \div 4$

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(From Unit 4, Lesson 20.)

5. There are 8 boxes of books in a store. Each box has 12 books in it. Of the total books, there are 54 comic books, and the rest are science fiction. How many books are science fiction?

   a. Select **all** the equations that match the problem. Use the letter *n* for the unknown quantity.

   A. $54-(8\times12) = n$

   B. $54 + (8\times12) = n$

   C. $8\times12 = 54 + n$

   D. $(8\times12) + n = 54$

   E. $(8\times12)-n = 54$

   b. Explain why both equations match the unknown.

   c. Find the unknown.

(From Unit 4, Lesson 21.)

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6. EXPLORATION
Lin divides each digit of a two-digit number into 4 equal groups to find the quotient of a division problem.

a. What could be the division problem?

A. $56 \div 4$

B. $62 \div 4$

C. $72 \div 4$

D. $84 \div 4$

b. What is the highest two-digit number Lin can divide using the same method? Share your thinking.