Unit 6, Lesson 8

Multiply 2 Two-Digit Numbers

Let's multiply 2 two-digit numbers.

Warm-up

Number Talk: Extra Groups

Find the value of each expression mentally.

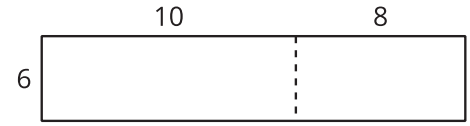
- 20×60
- 21×60
- 20×62
- 19×60

Activity 1

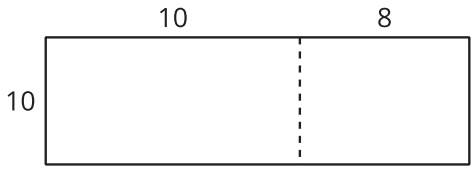
Two by Two

1. For each diagram, write a multiplication expression that the diagram can represent. Then find the value of the expression. Use equations to explain or show your reasoning.

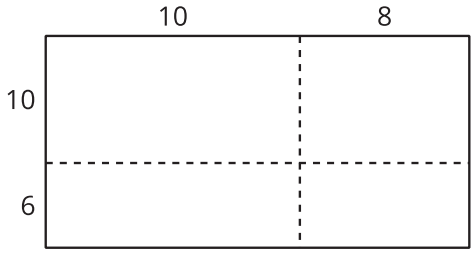
   a.



   b.



   c.



2. How are these diagrams alike? How are they different? Discuss with your partner.
3. Use a diagram to find each product.

   - 13×21
   - 25×46

Activity 2

Decompose by Place Value

These diagrams could be used to find the value of 49×57.

Diagram A

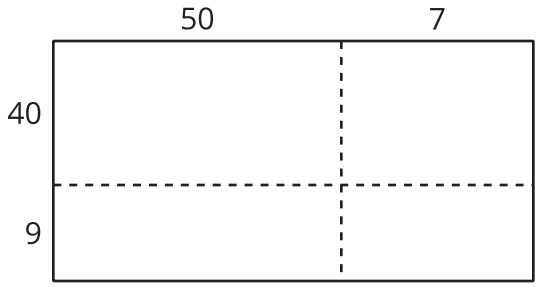
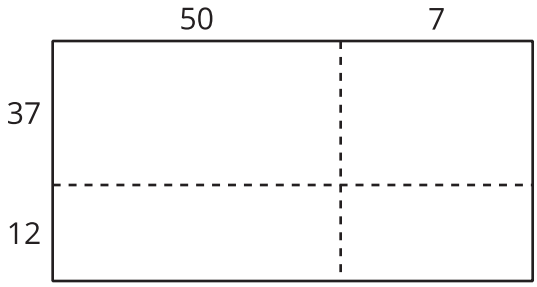


Diagram B



1. Which diagram is more helpful when finding the value of 49×57? Why?

2. Use a diagram to find each product.
   - 49×57
   - 29×55