

MY Homework

Lesson 1

Hands On: Take Apart to Multiply

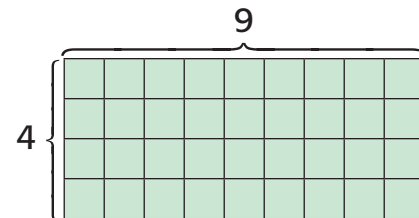
Homework Helper



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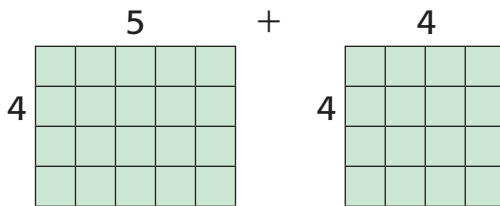
Find 4×9 .

1 Make an array to model 4×9 .



2 Decompose one factor.

Take apart the 9 to make 5 and 4.



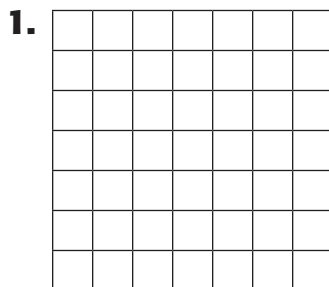
3 Find the product for each part.

$$\begin{aligned} 4 \times 9 &= (4 \times 5) + (4 \times 4) \\ &= 20 + 16 \\ &= 36 \end{aligned}$$

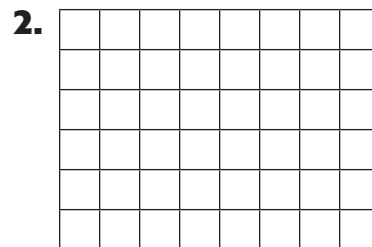
So, $4 \times 9 = 36$.

Practice

Decompose one factor. Color the array two colors to represent your numbers. Then find the product for each part and add.



$$\begin{aligned} 7 \times 7 &= (7 \times \underline{\quad}) + (7 \times \underline{\quad}) \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$



$$\begin{aligned} 6 \times 8 &= (6 \times \underline{\quad}) + (6 \times \underline{\quad}) \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

Decompose one factor. Find each product. Then add. Decompose the fact a different way below.

$$3. 8 \times 8 = (8 \times \underline{\quad}) + (8 \times \underline{\quad})$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

Another way:

$$8 \times 8 = (8 \times \underline{\quad}) + (8 \times \underline{\quad})$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

$$4. 5 \times 7 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

Another way:

$$5 \times 7 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$$


$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$



Problem Solving

Decompose one factor. Find each product. Then add.

- 5. PRACTICE**  **Identify Structure** Orlando's baby sister takes 3 naps a day. How many naps does she take in 9 days?

- 6.** Carli gets to the bus stop 5 minutes early each morning. How many minutes does she wait at the bus stop in 5 days?

- 7.** Every Monday, Wednesday, and Friday, Mr. Brennan walks 2 miles and jogs 4 miles. What is the total number of miles Mr. Brennan walks and jogs in two weeks?

My Work!