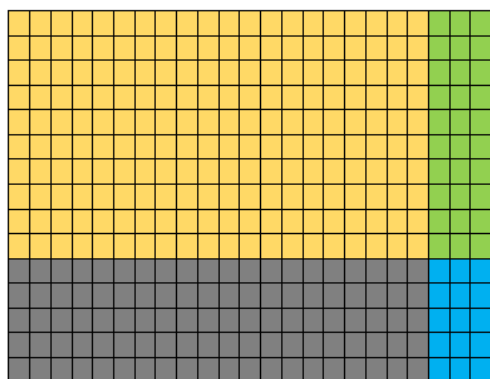


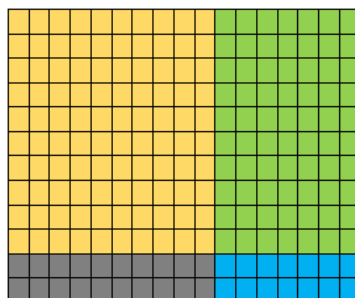
4.NBT.B.5 Multiply 2-Digit Numbers Using Rectangular Array

4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers

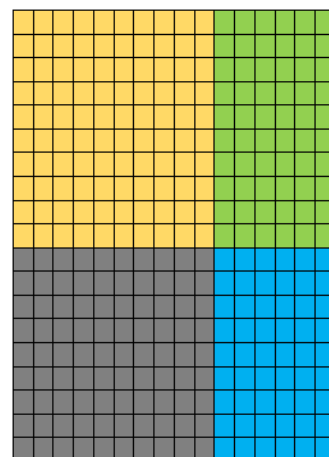
- Write the multiplication expression. Use the model and partial products to find the product.



Solution:



Solution:



Solution:

- Draw a model and find the product.

$$23 \times 25$$

$$22 \times 11$$

- John harvests about 17 tomatoes from a lemon plant in harvesting season. He has 23 tomato trees in his garden. How many tomatoes does he harvest?

Solution:

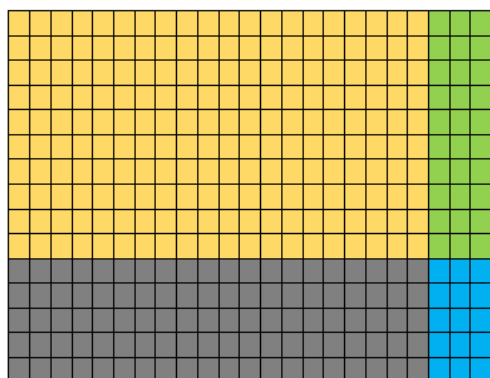
- How you use a model to find out the multiplication of a 2-digit number by a 2-digit number? Explain.

Solution:

4.NBT.B.5 Multiply 2-Digit Numbers Using Rectangular Array

4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers

- Write the multiplication expression. Use the model and partial products to find the product.

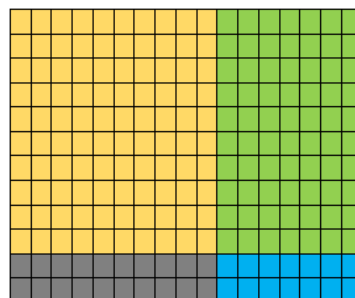


Solution: 23×15

$$23 \times 15 = 10 \times 20 + 5 \times 20$$

$$+ 10 \times 3 + 3 \times 5$$

$$23 \times 15 = 345$$

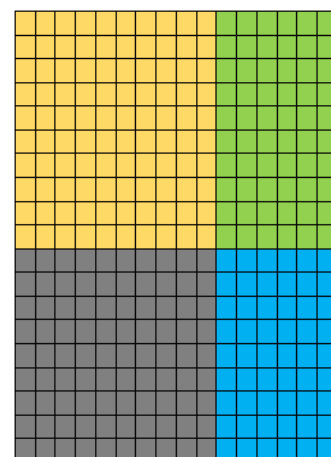


Solution: 17×12

$$17 \times 12 = 10 \times 10 + 2 \times 10$$

$$+ 10 \times 7 + 7 \times 2$$

$$17 \times 12 = 204$$



Solution: 16×19

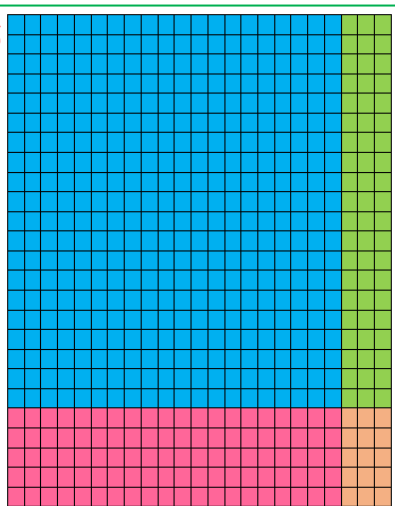
$$16 \times 19 = 10 \times 10 + 9 \times 10$$

$$+ 10 \times 9 + 6 \times 9$$

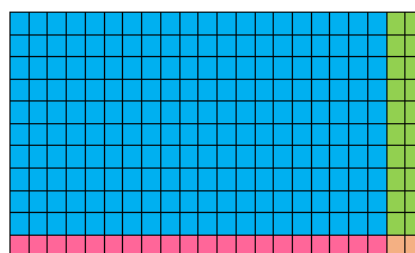
$$16 \times 19 = 304$$

- Draw a model and find the product.

$$23 \times 25 = 575$$



$$22 \times 11 = 242$$



- John harvests about 17 tomatoes from a lemon plant in harvesting season. He has 23 tomato trees in his garden. How many tomatoes does he harvest?

Solution: $\$391$

- How you use a model to find out the multiplication of a 2-digit number by a 2-digit number? Explain.

Solution: Draw a rectangular array with number of squares in length and width of the model. Then, count the number of squares.