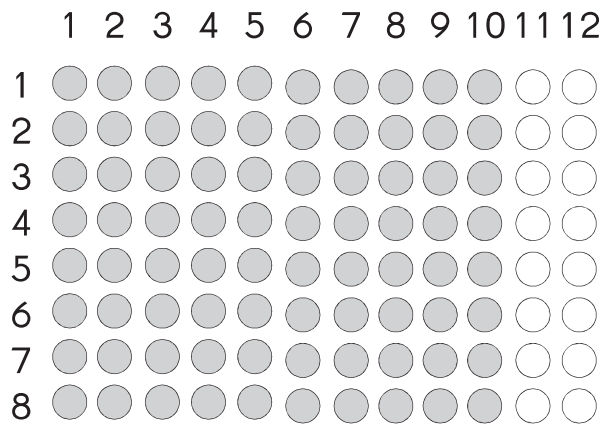


Practice 4 Multiplying Using Models

Multiply using an array model.

Example

Mrs. Nathan has 12 vases. She puts 8 stalks of flowers in each vase.
How many stalks of flowers are there in all?



There are 8 rows of 12 dots.

$$8 \times 12 = \underline{\quad ? \quad}$$

$$8 \times 2 = \underline{16}$$

$$8 \times 10 = \underline{80}$$

$$80 + 16 = \underline{96}$$

There are 96 stalks of flowers.

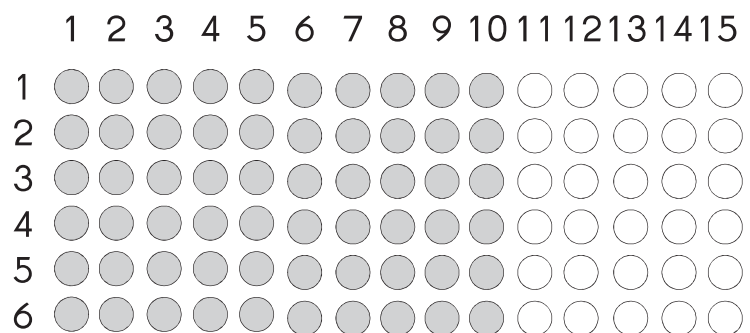
Solve.

1. $6 \times 15 = ?$

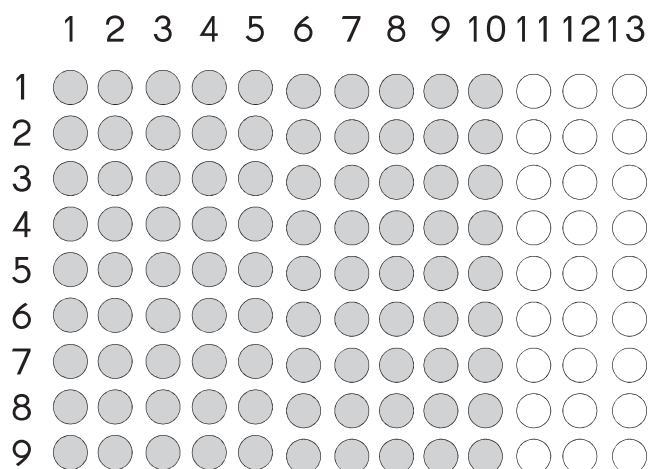
$$6 \times 5 = \underline{\hspace{2cm}}$$

$$6 \times 10 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

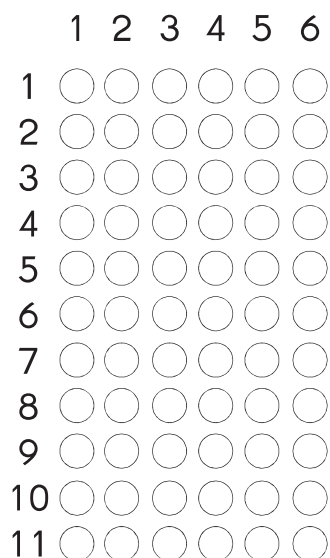


- 2.** Use the array model to write a multiplication sentence. Then find the product.



Show your working here.

- 3.** Show 11×6 with two different color dots on the array model. Find the product.

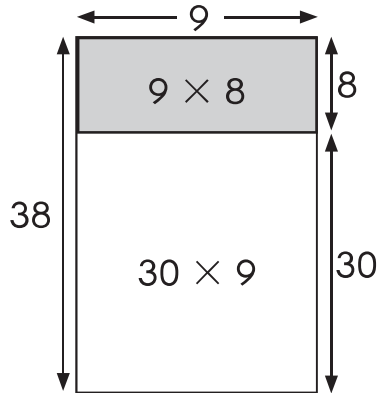


Show your working here.

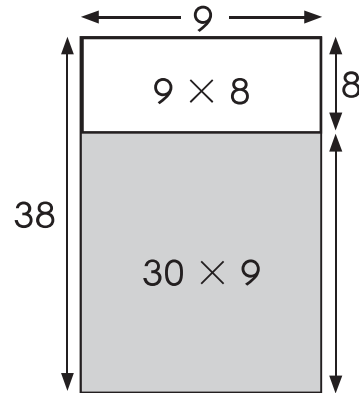
- 4.** Draw an array model for 3×14 . Show by using two different colors dots on the array model. Find the product.

Multiply using an array model.*Example*

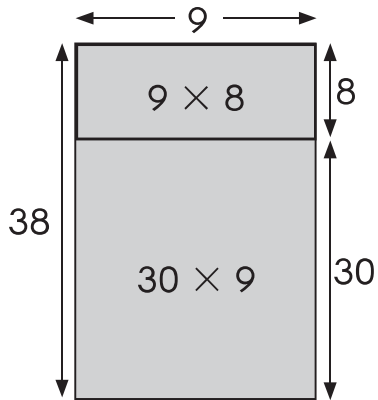
A grocer arranges oranges on a tray which has 38 rows. Each row has 9 oranges. How many oranges are there?

**Step 1**

$$9 \times 8 = 72$$

**Step 2**

$$30 \times 9 = 270$$

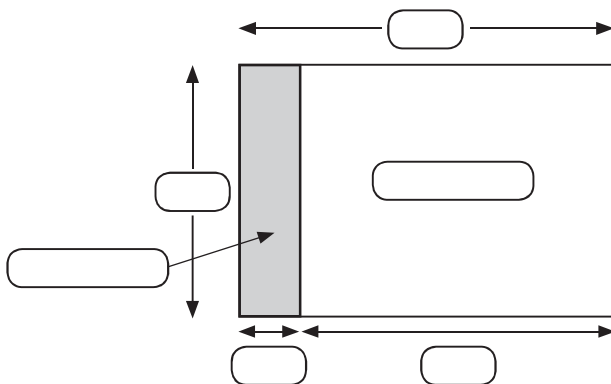
**Step 3**

$$270 + 72 = 342$$

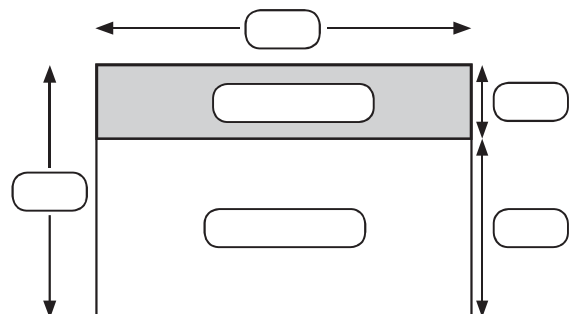
There are 342 oranges.

Find the missing numbers.

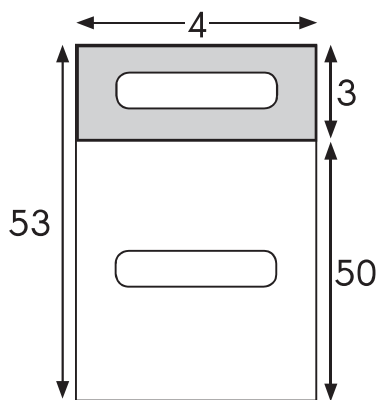
5. 41×5



6. 36×7

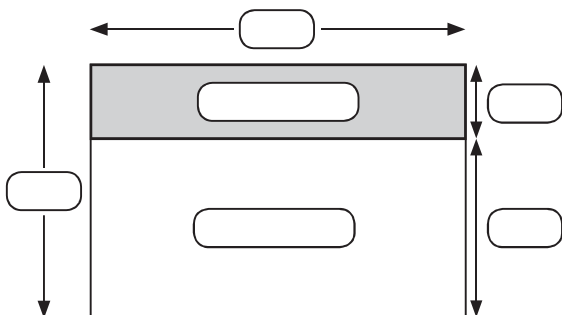


7. 53×4



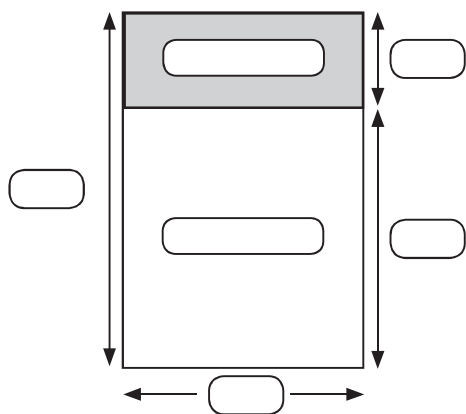
$$\begin{aligned} 53 \times 4 &= \boxed{} \times 4 + \boxed{} \times 4 \\ &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$

8. 26×9



$$\begin{aligned} 26 \times 9 &= \boxed{} \times 6 + \boxed{} \times 9 \\ &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$

9. Draw the area model to solve 22×7 .
Label your area model and show your work.



$$\begin{aligned} 22 \times 7 &= \boxed{} \times 7 + \boxed{} \times 7 \\ &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$