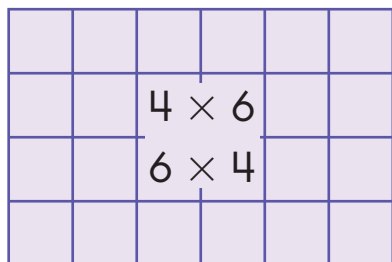
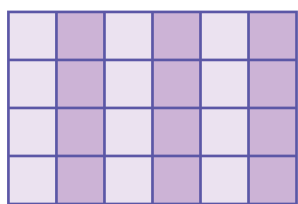


# Using Arrays to Solve Multiplication Problems

Here are some ways that students used an array card to solve  $4 \times 6$ .

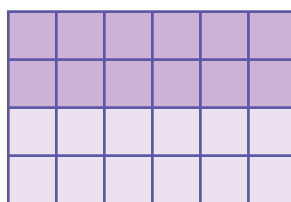


Benjamin skip counted by 4s.



4, 8, 12, 16, 20, 24

Kelly used a related multiplication combination ( $2 \times 6$ ).

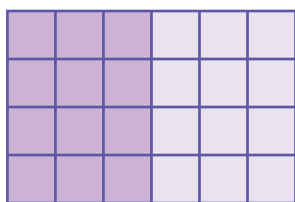


$$2 \times 6 = 12$$

$$2 \times 6 = 12$$

$$12 + 12 = 24$$

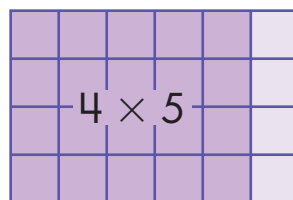
Deondra used a related multiplication combination ( $4 \times 3$ ).



$$4 \times 3 = 12 \quad 4 \times 3 = 12$$

$$12 + 12 = 24$$

Zhang covered the array with a smaller array. He knew that  $4 \times 5 = 20$ .



$$4 \times 5 = 20$$

$$20 + 4 = 24$$



How would you solve this problem?