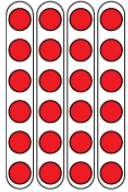


# Activity 24 Assessment

## Strategies for Multiplication

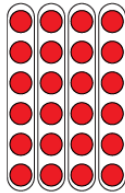
### Fluency of Multiplication and Division Facts

Recalls and demonstrates multiplication and divisions facts to  $5 \times 5$ .



"I know that  $4 \times 6 = 24$   
and that  $24 \div 6 = 4$ .  
The array shows both facts."

Uses inverse operations to solve multiplication and division problems.



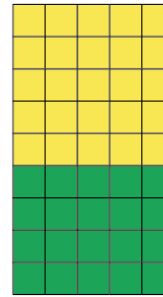
"I can rewrite  $24 \div 6 = ?$   
as  $6 \times ? = 24$ ."

Uses known facts to determine unknown facts

"I can use the distributive property to split the multiplication into facts that I know, then add."

$$5 \times 9 = \underline{5 \times 5} + \underline{5 \times 4}$$

$$25 + 20 = 45$$



Fluently creates and solves whole number multiplication and division problems.

There are 56 basketballs with the same number on each of 8 shelves.

$$8 \times \square = 56, \text{ so } 56 \div 8 = \square$$

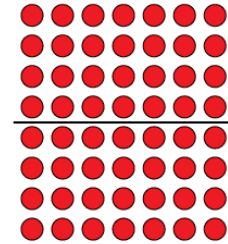
$$8 \times 7 = 56$$

Or

$$8 \times 7 = 4 \times 7 + 4 \times 7$$

$$= 28 + 28$$

$$= 56$$



### Observations/Documentation