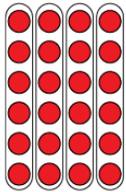


Activity 21 Assessment

Relating Multiplication and Division Facts

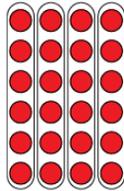
Fluency of Multiplication and Division Facts

Recalls and demonstrates multiplication and divisions facts to 5×5



"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



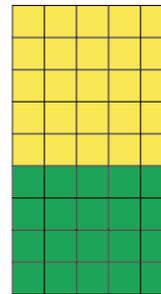
"I can rewrite $24 \div 6 = ?$
as $6 \times ? = 24$."

Uses known facts to determine unknown facts

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

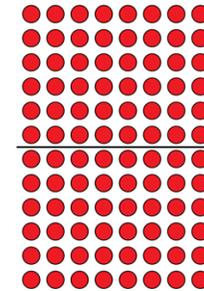
$$5 \times 9 = \underline{5 \times 5} + \underline{5 \times 4}$$

$$25 + 20 = 45$$



Fluently creates and solves whole number multiplication problems with factors to 12 and related division problems

There are 96 basketballs with the same number on each of 12 shelves.



$12 \times \square = 96$, so $96 \div 12 = \square$
 $12 \times 8 = 96$
 Or
 $12 \times 8 = 6 \times 8 + 6 \times 8$
 $= 48 + 48$
 $= 96$

Observations/Documentation