

Pass the Problem

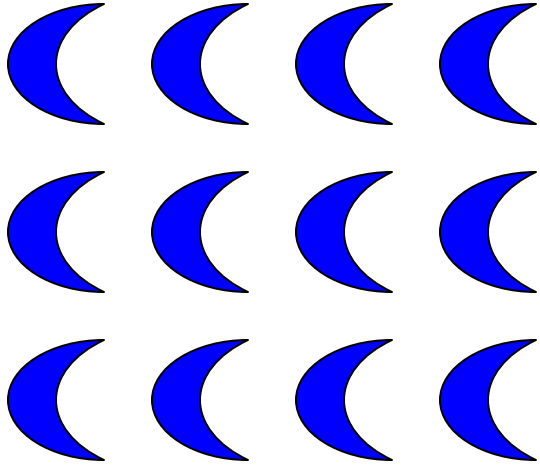
Multiplication Arrays

©2005 Education Inspired

For grades 3-4, Groups of 2-12 How to Play:

1. Pass out one card and one washable marker to each student. Allot the desired amount of time for students to count the rows and columns to write a multiplication sentence based on the array.
 2. Turn the same card sideways, and then count the rows and columns again. This demonstrates the commutative property of multiplication.
 3. At the end of the given time, check the cards. Correct answers can be cleaned off. Wrong answers may be fixed before cleaning the card.
 4. When all cards are clean, tell the students to pass the problem to their neighbor.
 5. Play continues as above until all students have answered all the cards.
- *Instead of using washable markers, students can record their answers on notebook paper. Students write down the number of each card before recording the answers.

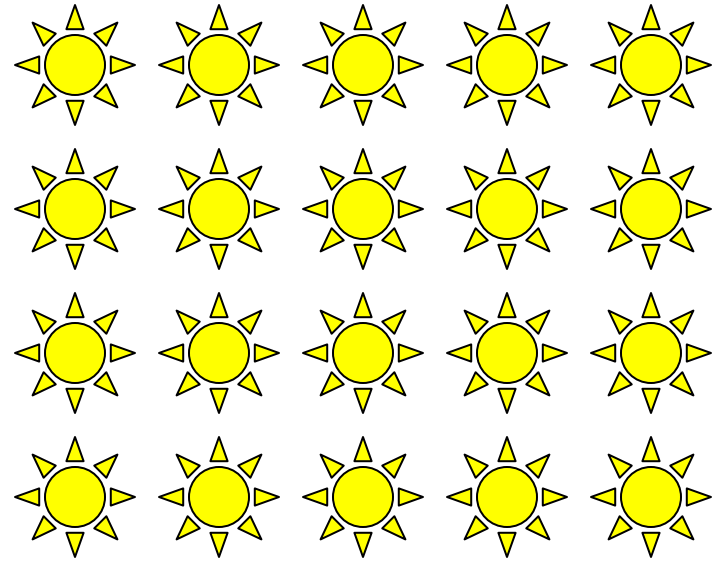
multiplication sentence:



multiplication sentence:

1

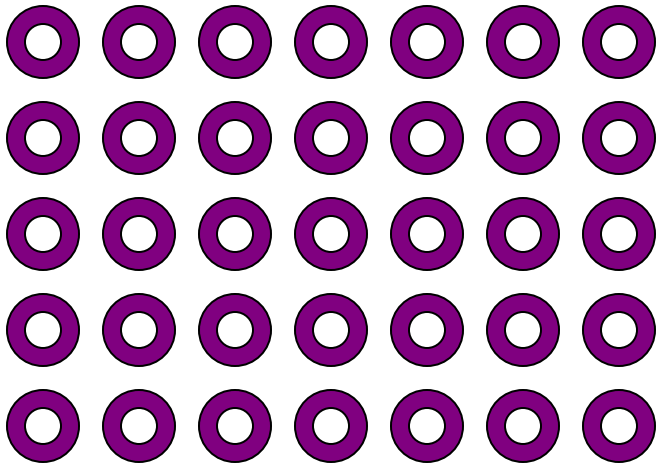
multiplication sentence:



multiplication sentence:

2

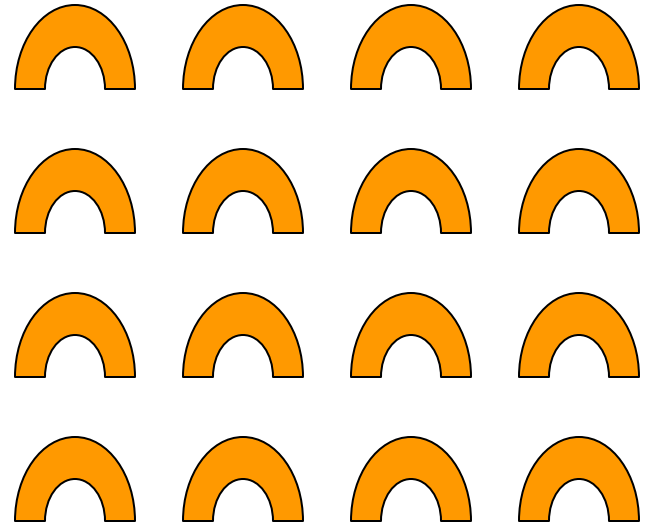
multiplication sentence:



multiplication sentence:

3

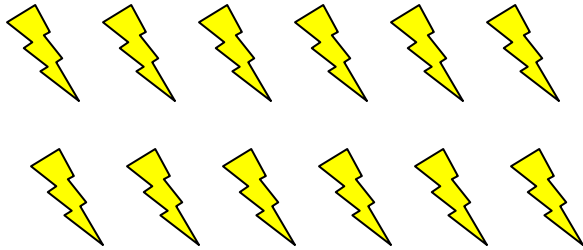
multiplication sentence:



multiplication sentence:

4

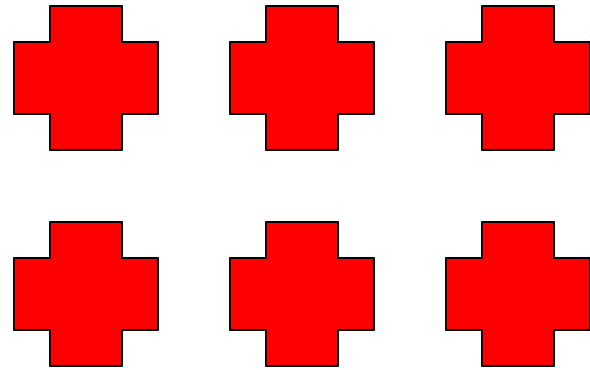
multiplication sentence:



multiplication sentence:

5

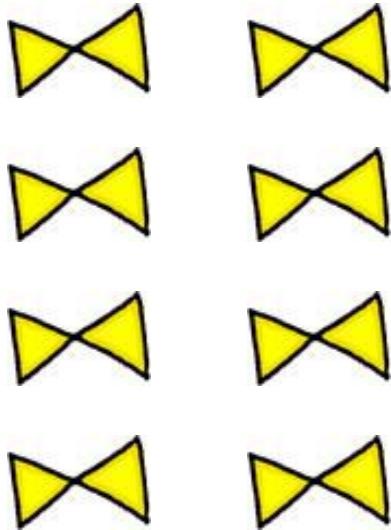
multiplication sentence:



multiplication sentence:

6

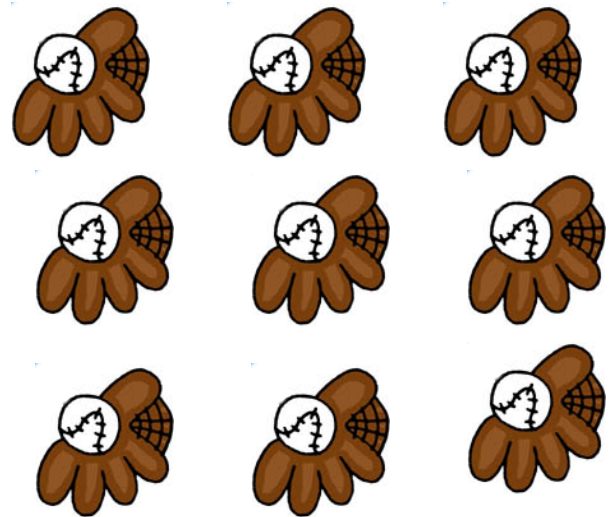
multiplication sentence:



multiplication sentence:

7

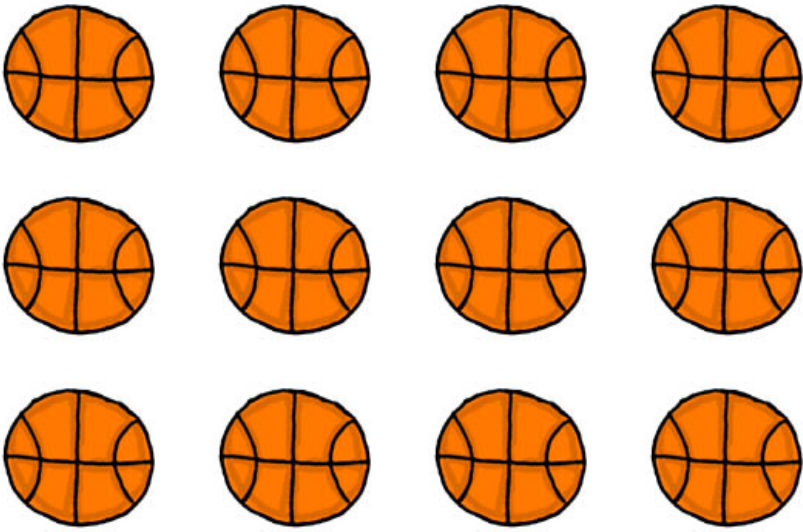
multiplication sentence:



multiplication sentence:

8

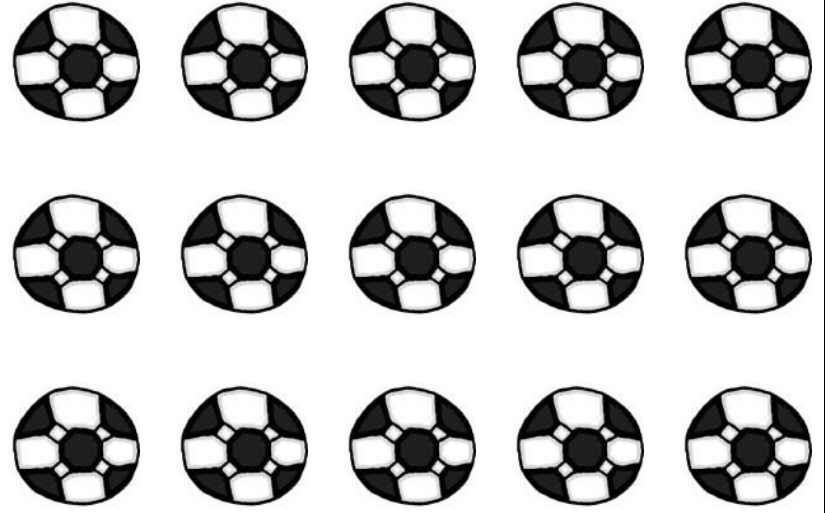
multiplication sentence:



multiplication sentence:

9

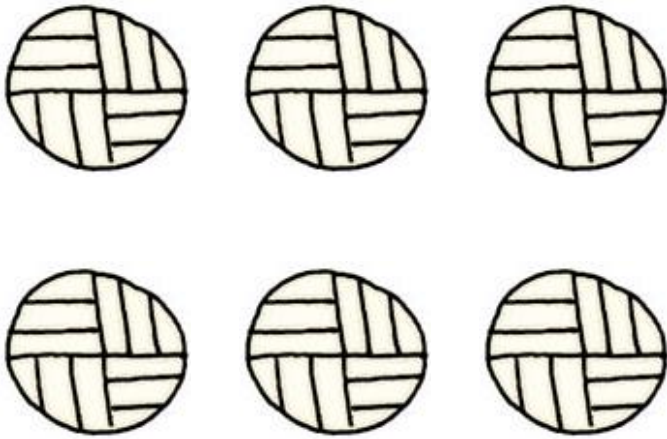
multiplication sentence:



multiplication sentence:

10

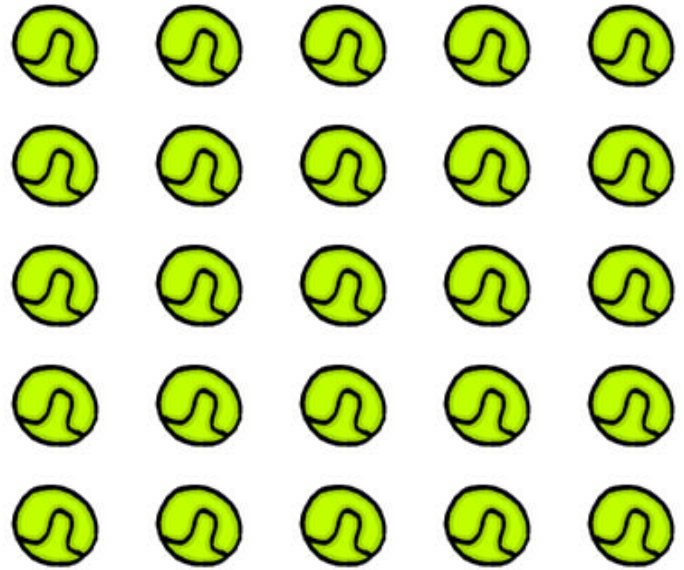
multiplication sentence:



multiplication sentence:

11

multiplication sentence:



multiplication sentence:

12