Term 2

# Grade 3 Math

Week 1

Grade 3 Teachers

# Lesson 4.3: Multiply with 3 and 6.

## Learning Objective:

- I will draw a picture, use 5s facts and addition doubles, or multiplication table to multiply with factors 3 and 6.

## Success Criteria:

- I will be successful if I can solve number and word problems with factors 3 and 6.

# Multiplication Key Terms

- **Multiply**- to add equal groups.
- **Factors**- the numbers that we multiply.
- **Product**- the answer in a multiplication sentence.

# Unlock the Problem

In a football practice match in Sheikh Zayed Stadium, there are 7 teams from different countries are competing. In each team, 6 players attended the opening ceremony. How many players are there in all?

# Unlock the Problem

## 1. Skip Counting

There are ___ teams with ___ players each.

__x __= ? so we skip count by 6s until we say 7 numbers.

_, _, _, _, _, _, _ or ___ × ___ = ___

# Answer Key

## 1. Skip Counting

There are 7 teams with 6 players each.

7 x 6 = ? so we skip count by 6s until we say 7 numbers.

6, 12, 18, 24, 30, 36, 42 or $7 \times 6 = 42$

# Multiplication Strategy

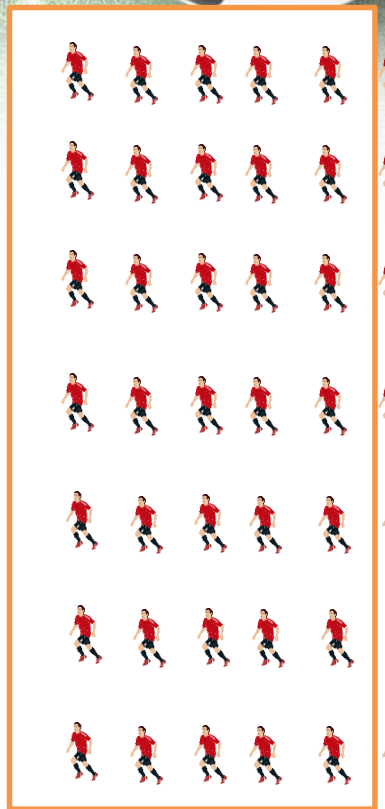
## 2. Use 5s facts and addition

**7** groups of **6**

**7** x **6** = **42**

To multiply a factor by 6, multiply the factor by 5, and then add the factor.

**7** x **5** = **35** + **7** = **42**



**7 x 5**

**+ 7**

# Multiplication Strategy

## 3. Use doubles

When at least one factor is an even number, you can use doubles.

First multiply with half of an even number.

After you multiply, double the product.

**7 x 6 = __**

**Half of 6 is 3**

**7 x 3 = 21**

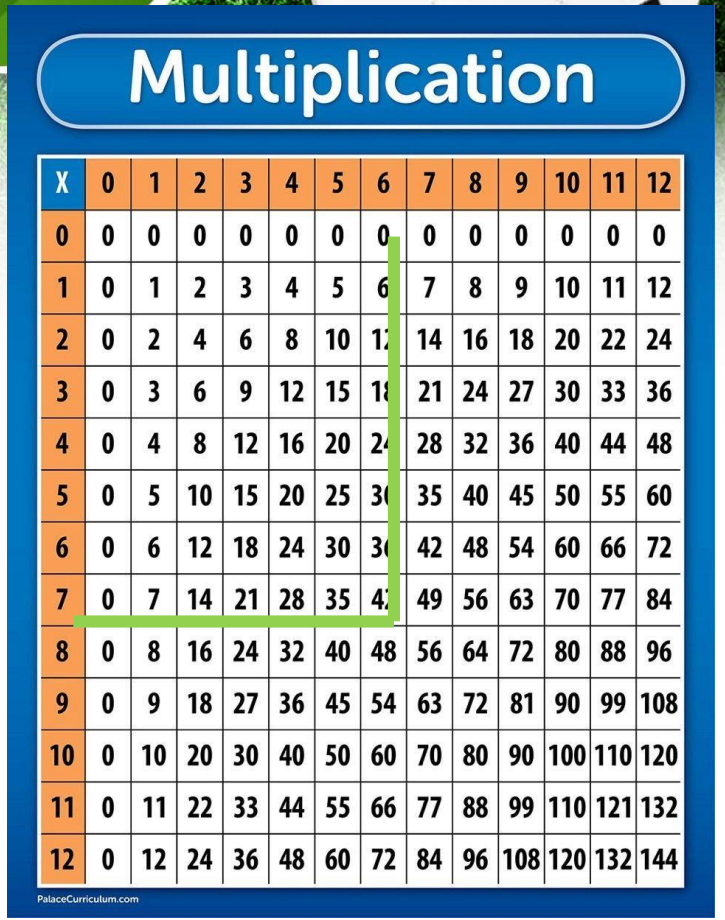
**21 + 21 = 42**

# Multiplication Strategy

## 4. Use a Multiplication Table

Find the product 7 × 6 where row 7 and column 6 meet.

**7 x 6 = 42**



# Let’s Practice

The UAE football team are riding 5 sports van going to Al Ain stadium. In each van, there are 6 players. How many players are there in all?

___ x ___ = ___

You can use any strategy!

# Answer Key

The UAE football team are riding 5 sports van going to Al Ain stadium. In each van, there are 6 players. How many players are there in all?

**5, 10, 15, 20, 25, 30**

**5 x 6 = 30**

You can use any strategy!

# Lesson 4.4: Distributive Property

## Learning Objective:

- I will use the Distributive Property to find products by breaking apart arrays.

## Success Criteria:

- I will be successful if I can solve number problems using distributive property

# Unlock the Problem

At the stadium, students from Al Ain American School are watching the football match. There are 6 rows in the bleachers. Each row has 7 students. How many students are watching the football match?

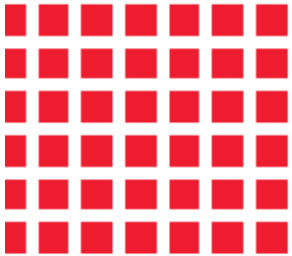
# Unlock the Problem

The **Distributive Property** states that multiplying a sum by a number is then same as multiplying each addend by the number and then adding the products.

6 rows of 7 students

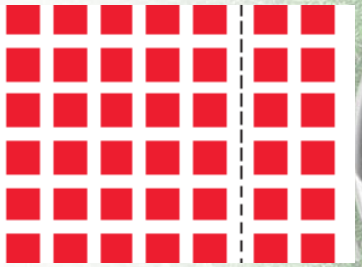
6 x 7 = __

Step 1: Make an array with tiles to show 6 rows of 7.



6 x 7 = __

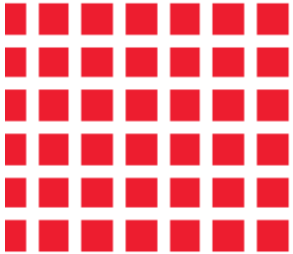
Step 2: Break apart the array to make two smaller arrays for facts you know.



6 x 5 = __

6 x 2 = __

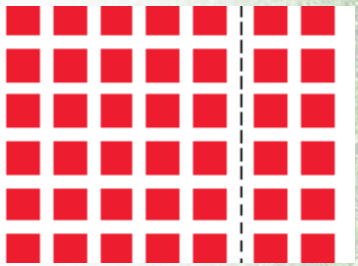
Step 1: Make an array with tiles to show 6 rows of 7.



6 x 7 = __

6 x 7 = __
6 x 7 = 6 x (5 + 2)
6 x 7 = (6 x 5) + (6 x 2)

Step 2: Break apart the array to make two smaller arrays for facts you know.



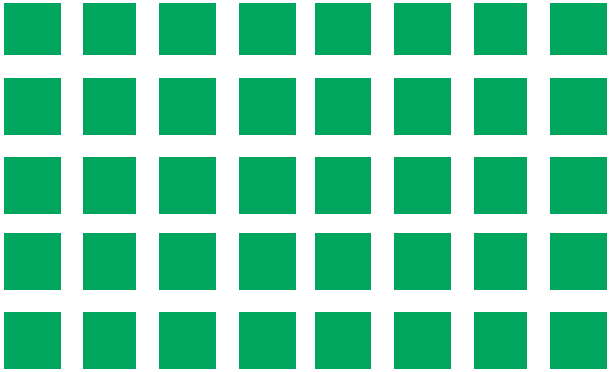
6 x 5 = __ 6 x 2 = __

30 + 12

= **42**

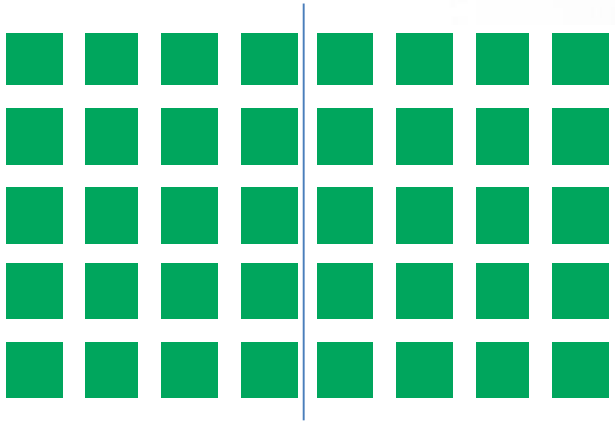
# Let’s Practice

Write one way to break apart the array. Then find the product.



# Answer Key

Write one way to break apart the array. Then find the product.



5 x 4 = 20 5 x 4 = 20

20 + 20 = 40

THANK
YOU
AND
GOOD
LUCK