

# Playbook

## Play #2- "THE SWITCH"

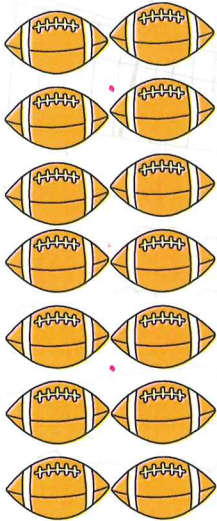
If the problem is  $3 \times 4$ , that means that **THREE** times we have **FOUR**.

EXAMPLE:  $4+4+4=12$

Another example could be  $5 \times 2$ . This means that **FIVE** times we have **TWO**.

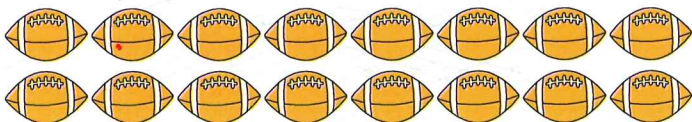
EXAMPLE:  $2+2+2+2+2=10$ .

$8 \times 2$  means that **EIGHT** times we have **TWO**. Let's draw this.



When these are counted, we get 16.

$2 \times 8$  means that **TWO** times we have **EIGHT**. Let's draw this.



When these are counted, we get 16 again.

$8 \times 2$  and  $2 \times 8$  both equal sixteen.

This means that the same two factors can be multiplied in any order and the product will be the same.

# Four Down Multiplication

After you complete your pre-test, use this to help you understand the facts that you did not get on your pre-test.

**First Down:** Draw a picture. The example I provided uses  $3 \times 4$ . That means that there are three groups with four in each group. I drew footballs to represent this.

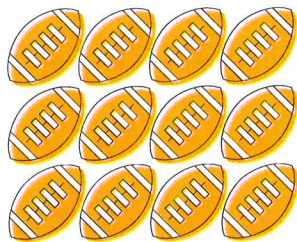
**Second Down:** Show the process. For this, you should use repeated addition. The example of  $3 \times 4$  would be written as  $4+4+4=12$ .

**Third Down:** Find the product. In this step, we simply write the algorithm including the factors, product, and symbols. In this case, we would write  $3 \times 4 = 12$  and  $12 = 3 \times 4$ .

**Fourth Down:** Write a word problem and the answer.

## Four Down Multiplication $3 \times 4$ (example)

### Picture (Down 1)



### Process (Down 2)

$$4+4+4=12$$

### Product (Down 3)

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

### Problem (Down 4)

If I have 3 gym bags and each bag has 4 footballs. How many footballs do I have?  
12 footballs

# Four Down Multiplication

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

<b>Picture (1st Down)</b>	<b>Process (2nd Down)</b>
<b>Product (3rd Down)</b>	<b>Problem (4th Down)</b>

Teach the numbers in this order ...

Pre-Season (0, 1, 2, 5, 10)

Regular Season (3, 4, 9)

Playoffs (6, 7, 8)

# Two Point Conversions

$$\begin{array}{r} 2 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 0 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 6 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 6 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 3 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 2 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 0 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 2 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 3 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 3 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 6 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 0 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 1 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 4 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 8 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 8 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 10 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 1 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 4 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 1 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 9 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 10 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 8 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 5 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 5 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 7 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 10 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 9 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 4 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 7 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 7 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 5 \\ \hline \times 2 \end{array}$$

$$\begin{array}{r} 9 \\ \hline \times 2 \end{array}$$

# Field Goals

$$\begin{array}{r} 3 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \underline{\times 3} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \underline{\times 3} \\ \hline \end{array}$$