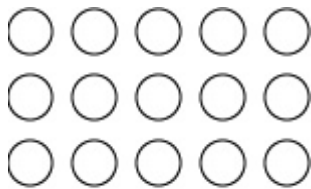


Name: _____

Distributive Property of Multiplication

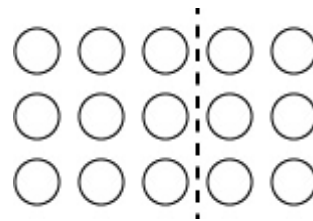
The **Distributive Property of Multiplication** is used when we divide a multiplication array into two parts, making two smaller multiplication facts. When you add to find the sum of the two smaller products, you have the amount of the original array.

This array shows 3×5



What is 3×5 ?

The array was broken into two smaller parts. It shows $3 \times 3 = 9$ and $3 \times 2 = 6$.



What is $9 + 6$?



PREVIEW

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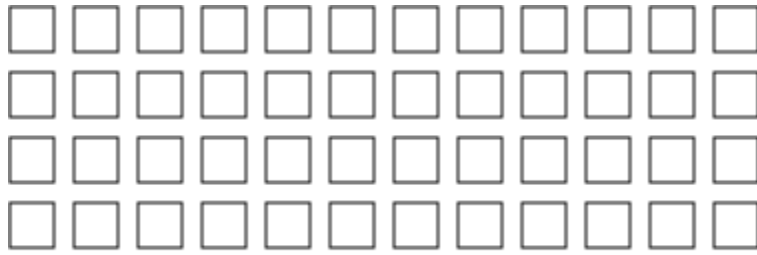
The array above shows the multiplication fact _____ x _____ = _____ .



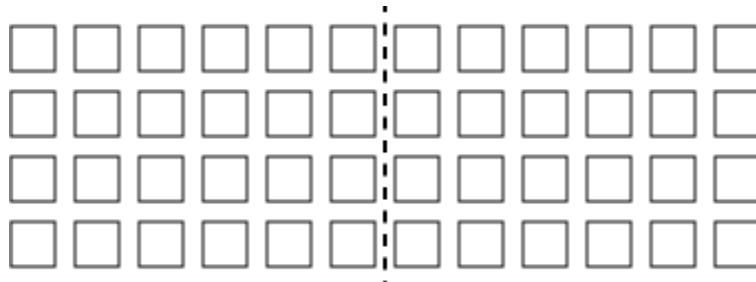
Now the array shows two facts.

The facts are _____ x _____ = _____ and _____ x _____ = _____ .

Add to find the sum of the two products. Your answer is _____.



The array above shows the multiplication fact _____ x _____ = _____.



Now the array shows two facts.

The facts are _____ x _____ = _____ and _____ x _____ = _____.



~ PREVIEW ~

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Now draw a dotted line on your illustration to divide the array into two arrays.

What two multiplication facts do you see?

_____ x _____ = _____ and _____ x _____ = _____

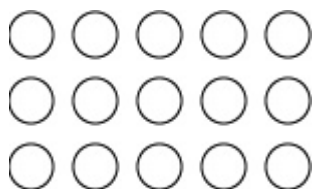
Add to find the sum of the two products. Your answer is _____.

ANSWER KEY

Distributive Property of Multiplication

The **Distributive Property of Multiplication** is used when we divide a multiplication array into two parts, making two smaller multiplication facts. When you add to find the sum of the two smaller products, you have the amount of the original array.

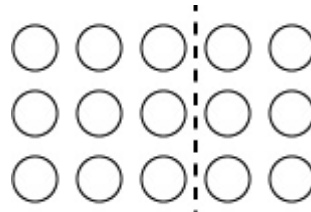
This array shows 3×5



What is 3×5 ?

$$3 \times 5 = \mathbf{15}$$

The array was broken into two smaller parts. It shows $3 \times 3 = 9$ and $3 \times 2 = 6$.



What is $9 + 6$? **15**

What is $3 \times (3 + 2)$? **15**



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