between

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## All about me



## Introduction

Multiplication and division are inverse properties, meaning that multiplying two numbers to get a product will be the same as dividing that product by one of the numbers to get the other number.

Example: $3 \times 4=12 \ldots$ so that means that $12 \div 3=4$


## Multiplication Properties

If $3 \times 4=12$, then $4 \times 3=12$ because it uses the same numbers, just

qin a different order.

It applies to division as well, so if $12 \div 3=4$, then $12 \div 4=3$
Example: If $2 x_{-}=18$, then $18 \div{ }_{-}=9$

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## How it works?


https://www.youtube.com/watch?v=fc2zif8oKt8

## ( B $^{3}$ Leari"ing

Fact families: multiply and divide
Math Facts Practice Worksheet
Complete each family of facts.

$=$ $\square$

## (4B)Leariing

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## (13)Leariing

## Fact families: multiply and divide

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Complete each family of facts.

$4 \times 5 \times 2$ can be found by $4 \times 5=20$, then $20 \times 2=40$
And can also be found by $5 \times 2=10$, then $10 \times 4=40$

## EXAMPLE:

Find: $2 \times 3 \times 5$
$2 \times 3=\square$, then $\square \times 5=\square$
$4 \times 5 \times 2$ can be found by $4 \times 5=20$, then $20 \times 2=40$
And can also be found by $5 \times 2=10$, then $10 \times 4=40$

## EXAMPLE:

Find: $2 \times 3 \times 5$

$$
2 \times 3=6 \text {, then } 6 \times 5=30
$$

## YOUR TURN:

## The Inverse Relationship of Division

Match the division equation on the left with its universe multiplication equation on the right

| $12 \div 2=6$ | $5 \times 6=30$ |
| :--- | :--- |
| $18 \div 9=2$ | $6 \times 4=24$ |
| $30 \div 6=5$ | $6 \times 2=12$ |
| $24 \div 4=6$ | $2 \times 7=14$ |
| $42 \div 6=7$ | $2 \times 9=18$ |
| $14 \div 7=2$ | $7 \times 6=42$ |

Complete the division problems and then write out its inverse equations
1.) $21 \div 7=$
2.) $40 \div 5=$
3.) $34 \div 2=$
4.) $21 \div 7=$
5.) $25 \div 5=$
6.) $15 \div 3=$


THIARND.


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