## Using Equal Groups $6 \times 4=$ ? ( 6 groups of 4 )

Create 6 groups. Now put 4 dots in each group. How many total dots do you have? That's your answer!


24 total dots so the answer is 24.

## $5 \times 4=20$

factor factor product

## Using an Array $8 \times 4=$ ? <br> (8 rows of 4)

You know that your first factor is 8 . That means you will have 8 rows. Your second factor tells you how many are in each row (4).

How many total dots are there? That is the product!

8 rows with 4 in each row; the
product is 32 !

## Repeated Addition

( 5 addends of 6)
Start at 0 and add 6 a total of 5 times. What is the number you ended at? That is the answer!

## $5 \times 6=$ ?

is the answer.

## Using a Numberline $7 \times 4=?$ <br> (7 jumps of 4)

Create a number line. Make 7 jumps of 4 - that means jump 4 spaces a total of seven times. What is your ending point?

That is the product (answer)!
$\begin{array}{lllllll}+4 & +4 & +4 & +4 & +4 & +4 & +4\end{array}$


You made 7 jumps of 4 so the answer is 28 .

## Using Equal Groups

$$
24 \div 6=?
$$

Create 6 groups. Now put 1 dot in each group until you get to 24 . How many dots are in each group? That's your answer!


4 dots in each group so the answer is $\underline{\underline{4}}$.

## Using a Numberline

$$
28 \div 4=?
$$

Create a number line that goes from 0 to 28. Now, make jumps of 4 until you get to 28. How many jumps did you make? That is the quotient!

$$
+4 \quad+4 \quad+4 \quad+4 \quad+4 \quad+4 \quad+4
$$


$\begin{array}{llllllll}0 & 4 & 8 & 12 & 16 & 20 & 24 & 28\end{array}$ 7 jumps so the answer is $\underline{7}$.

## dividend divisor quotient

## Using an Array

$32 \div 8=$
You know that your divisor is 8 . That means you will have 8 rows.
Now add 1 dot in each row until you get to a total of 28 dots. How many dots are in each row? That is the quotient!

8 rows with
4 in each
row so the quotient is $\underline{\underline{t}}$

## Repeated Subtraction

$$
36 \div 6=?
$$

Start at 36 and subtract 6 until you get to 0 . Then count the number of times you subtracted 6 . That is the answer!
$\left.\begin{array}{l}36-6=30 \\ 30-6=24 \\ 24-6=18 \\ 18-6=12 \\ 12-6=6 \\ 6-6=0\end{array}\right)$

You
subtracted 6 times so the answer is 6 .

## Alternative Division Strategies

## Repeated Subtraction (by Adding Up)

## $36 \div 6=?$

Start at 0 and ad 6 until you get to 36 . Then count the number of times you added 6. That is the answer!

| $0+6=6$ |
| :--- | :--- |
| $6+6=12$ |
| $12+6=18$ |
| $18+6=24$ |
| $24+6=30$ |
| $30+6=36$ |$\quad$| You added |
| :---: |
| 6 times so |
| the answer |
| is $\underline{6!}$ |

## Using Equal Amounts and

 Making Groups$$
12 \div 3=?
$$

Make sets of 3 dots until you have a total of 24 dots. Now circle each group. How many groups are there? That's your answer!

There are 4
groups so the answer is $\underline{4}$

## Fac † Families

$$
21 \div 7=?
$$

Division is the inverse (or opposite) of multiplication. You can use multiplication fact families to solve!

$$
\begin{aligned}
& 7 \times 3=21 \\
& 3 \times 7=21 \\
& 21 \div 3=7 \\
& 21 \div 7=3
\end{aligned}
$$

## Using an Array

$$
28 \div 4=
$$

You know that your divisor is 4 . That means you can make rows with 4 dots un each row until you reach 28. How many rows do you have? That is the quotient!

There are 7 total rows so the answer is $\underline{7}$ !

