Division Strategies

Share Fairly

12 ÷ 3 = ?

If we divide 12 tally marks fairly into 3 loops, how many will there be in each loop?

Each loop got 4 tally marks, so 12 ÷ 3 = 4.

Make Equal Groups

28 ÷ 4 = ?

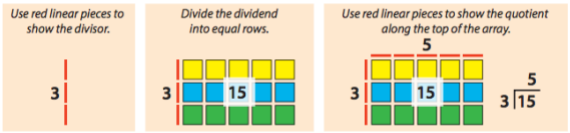
How many equal groups of 4 can we make with 28 counters?

We can make 7 groups of 4, so 28 ÷ 4 = 7.

Build a Tile Array

15 ÷ 3 = ?

If we arrange 15 tiles to form an array with 3 rows, how many will there be in each row?



There are 5 in each row, so 15 ÷ 3 = 5.

Break It Apart

36 ÷ 3 = ?

Break the dividend apart by place value. Divide each part and add the quotients.

36 = 30 + 6

30 ÷ 3 = 10 and **6 ÷ 3 = 2**

10 + 2 = 12 so **36 ÷ 3 = 12**

When we solve division combinations this way, we're using the *distributive property*.

Think Multiplication

32 ÷ 8 = ?

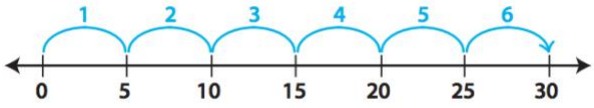
□ × 8 = 32

I know that 4 × 8 is 32, so 32 ÷ 8 = 4.

Use Skip-Counting

30 ÷ 5 = ?

How many times do we have to count by 5 to reach 30?



If you skip-count by 5 six times, you get to 30, so 30 ÷ 5 = 6.