Division with Place Value

MY JOURNEY CURRICULUM

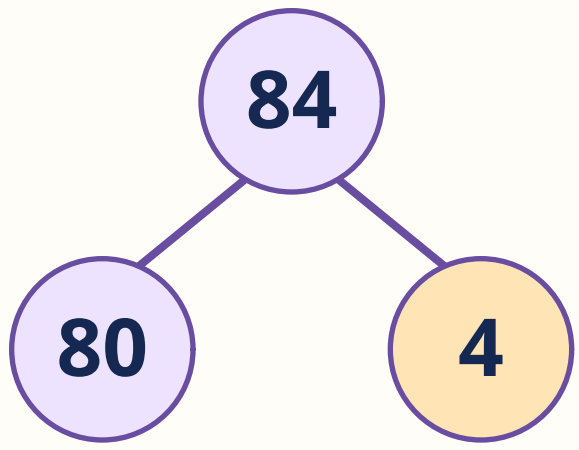
Grade 4 Math • The Distributive Property

1 Split 84 into tens and ones

Place value chart

TENS	ONES
8 tens = 80	4 ones = 4

Number bond



Choose parts you can divide evenly by 4.

2 Divide each part by 4

$$84 \div 4 = (80 \div 4) + (4 \div 4)$$

$80 \div 4 = 20$

$4 \div 4 = 1$

3 Add the quotients and check

$$20 + 1 = 21, \quad \text{so} \quad 84 \div 4 = 21$$

✓ **Multiply to check: $21 \times 4 = 84$**

☆ ***What if a part won't divide evenly?***

Regroup into parts that do. Keep the same total.

72 ÷ 4: split 72 into 40 + 32. Then 10 + 8 = 18.

SPLIT DIVIDE ADD CHECK

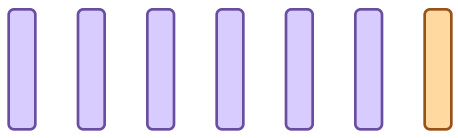
Regroup to Divide

MY JOURNEY CURRICULUM

Grade 4 Math • The Distributive Property

1 Build 72 as 7 tens and 2 ones

7 tens



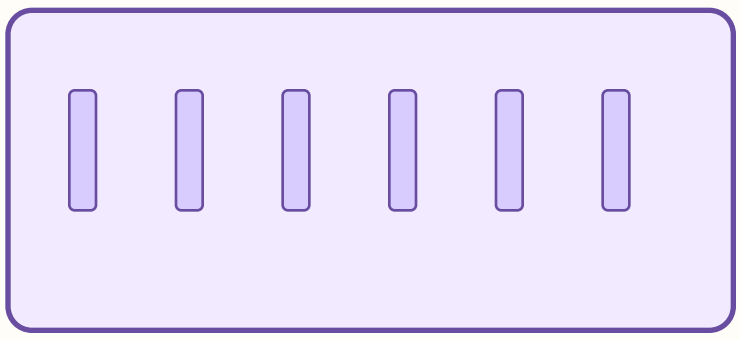
2 ones



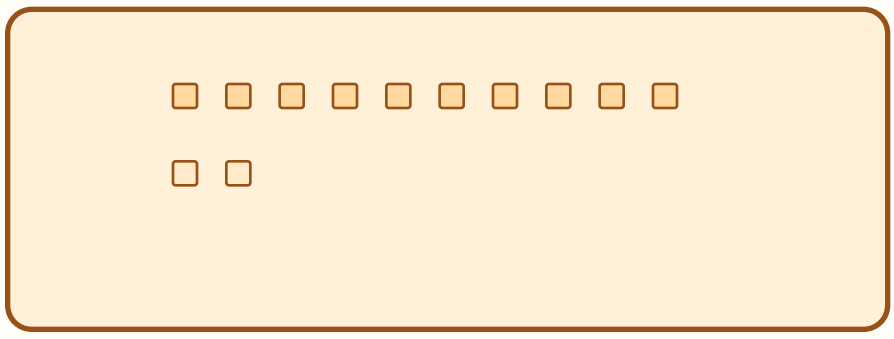
Trade one ten for 10 ones. The total stays 72.

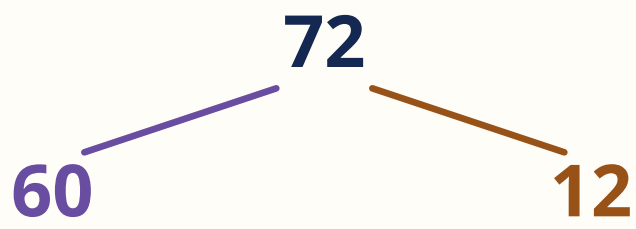
2 Regroup as 6 tens and 12 ones

6 tens stay as tens



10 new ones + 2 old ones





Same total!

3 Divide each part, add, and check

$$72 \div 4 = (60 \div 4) + (12 \div 4)$$

$60 \div 4 = 15$

$12 \div 4 = 3$

$15 + 3 = 18$, so $72 \div 4 = 18$

Check: $18 \times 4 = 72$

SPLIT REGROUP DIVIDE ADD CHECK