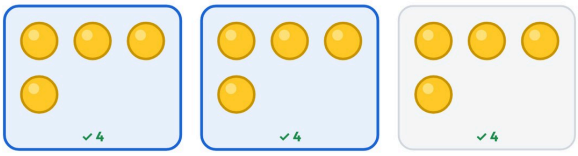
Names (pair) _____ Date _____

What Division Means

Example

$\frac{2}{3}$ of 12 = 4 + 4 = 2 × 4 = 8

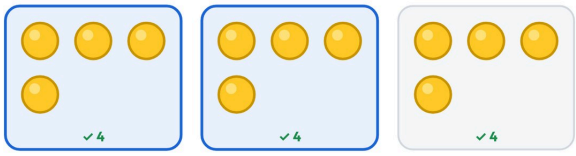
2 of 3 equal parts selected.



How many in each? 12 apples on 3 plates

$\frac{2}{3}$ of 12 = 4 + 4 = 2 × 4 = 8

2 of 3 equal parts selected.



How many groups? 12 apples in groups of 3

The same calculation $12 \div 3 = 4$ answers two different questions. When we **share equally**, we look for how many are in each part. When we **make groups**, we look for how many groups there are.

1 IN PAIRS For each story, circle the question it asks, then write the calculation.

Mum shares 24 sweets equally among 4 children.	how many in each?	how many groups?	
Ivan packs 24 sweets into bags of 4.	how many in each?	how many groups?	
A 30 m rope is cut into pieces of 5 m.	how many in each?	how many groups?	
5 friends share 30 euros equally.	how many in each?	how many groups?	

2 ON YOUR OWN Division is the inverse of multiplication. Use the three numbers to write two multiplications and two divisions.

8, 9, 72

5, 12, 60

Names (pair) _____ Date _____

Remember

In $12 \div 3 = 4$ the number 12 is the **dividend**, 3 is the **divisor** and 4 is the **quotient**. We check a division by multiplying: $4 \times 3 = 12$. We have $a \div 1 = a$, $a \div a = 1$ and $0 \div a = 0$. **We cannot divide by zero**: no number multiplied by zero gives, for example, 5.

3 IN PAIRS Work out and check by multiplying. If a calculation has no answer, write why.

calculation	quotient	check
$7 \div 1$		
$7 \div 7$		
$0 \div 7$		
$7 \div 0$		

4 ON YOUR OWN The unknown is in a different place each time. Write the missing number.

$\square \div 6 = 8$ $\quad 54 \div \square = 9$ $\quad 7 \times \square = 63$

$\square \times 4 = 36$ $\quad 81 \div 9 = \square$ $\quad 100 = \square \times 25$

5 IN PAIRS A present costs 48 euros. a) 6 friends share the cost equally. How much does each pay? b) Each pays 8 euros. How many friends are there? Is the calculation the same? Is the question the same?

a) _____ b) _____

The Bar Model app · otooly.com/bar-model

Equal parts mode: enter 6 parts of 8 and choose **One part** as the unknown, then **Number of parts**. What is being asked in each case?

★ ON YOUR OWN **Exit card.** $56 \div 7 = \square$ check: $\square \times 7 = 56$