

A Number Divided by 0



If there are no groups there is nothing to divide.

O divided by any number is O.

$$0 \div 9 = 0$$

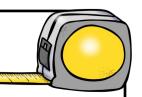
If there are 0 cookies and 9 children

there are no cookies to share.





Division by 1



A dividend divided by 1 equals the number.

$$9 \div | = 9$$

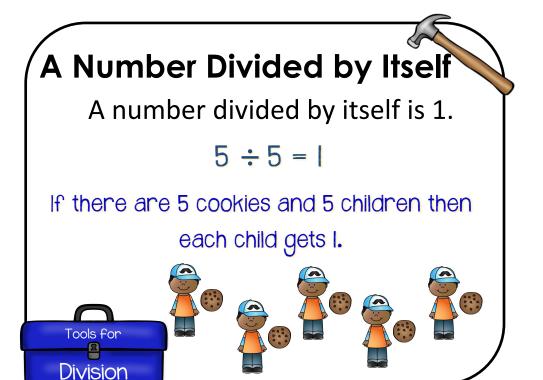
If there are 9 cookies and I child then he

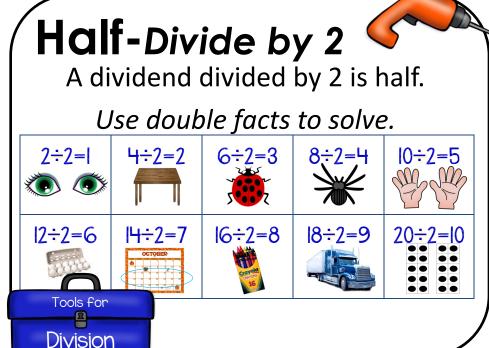
gets all the cookies.











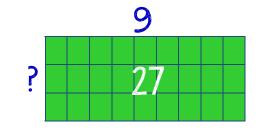
Think Multiplication Use multiplication to solve divis

Tools for

Division

Use multiplication to solve division problems.

$$27 \div 9 =$$
 Think $9 \times$ =





Tools for

Halve the dividend and double the quotient if it makes it easier to calculate.

You will get the same answer!

64 \div 4. Think half of 64 is 32. 32 \div 4= 8. Then double the quotient (8).

 $8 \times 2 = 16$

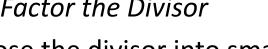
Divide in Small Steps

Factor the Divisor

Decompose the divisor into smaller parts (factors) so that you can make the problem easier to solve.

54 ÷ 18. Change 18 into 6 and

Think $(54 \div 6) \div 3 = 9 \div 3 = 3$.



Compensation

Multiply or divide the dividend and the divisor by the same number to make the problem easier to solve.





Divide by a multiple of 10 first.

Remove the same number of zeros from the end of both the dividend and the divisor.

$$360 \div 60$$

Think 36 ÷ 6



Tools for

Division