Name: ....   Class: ....

Properties of division: How multiplication is related to division

Property 1 :   Any number divided by itself gives 1 as its quotient.

$56 \div 56 = 1$

Property 2 :   Any number divide by 1 gives itself as quotient.

$17 \div 1 = 17$

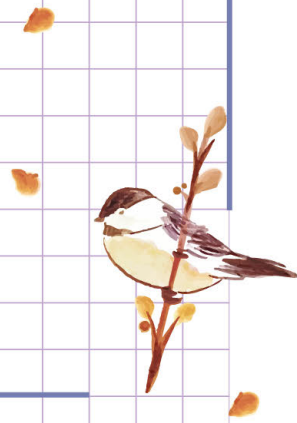Property 3 :   0 divided by any number (except 0) gives zero as the quotient

$0 \div 25 = 0$

Property 4 :   Division is the inverse of multiplication. $6 \times 3 = 18$
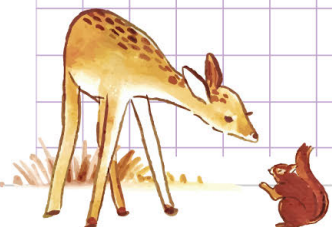
$18 \div 3 = 6$

$18 \div 6 = 3$

If $28 \div 4 = 7$, so... $7 \times$ _____ $= 28$

Find the inverse relation (s) of $8 \times 7 = 56$

If $49 \times 7 = 343$, so... $343 \div$ _____ $= 7$

If $660 \div 12 = 55$,   so... _____ $\times 55 = 660$

mathskills4kids

Name: .... Class: ....

Properties of division: How multiplication is related to division

Property 1 :   Any number divided by itself gives 1 as its quotient.

$$56 ÷ 56 = 1$$

Property 2 :   Any number divide by 1 gives itself as quotient.

$$17 ÷ 1 = 17$$

Property 3 :   0 divided by any number (except 0) gives zero as the quotient
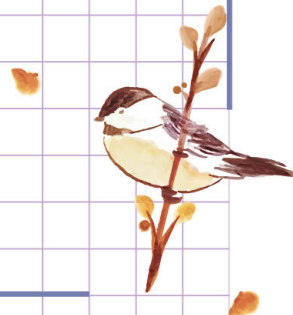
$$0 ÷ 25 = 0$$

Property 4 :   Division is the inverse of multiplication. $6 \times 3 = 18$

$$18 ÷ 3 = 6$$
$$18 ÷ 6 = 3$$

If $28 ÷ 4 = 7$, so... $7 \times$ _____ $= 28$

Since division is the inverse of multiplication

So, if we have $28 ÷ 4 = 7$,

then, its inverse relations will be

$7 \times 4 = 28$ or $4 \times 7 = 28$

You see that the first expression has the

missing number which is 4.

Find the inverse relation (s) of $8 \times 7 = 56$

Since division is the inverse of multiplication,

it implies that, if we have $8 \times 7 = 56$, then, the

inverse relations of $8 \times 7 = 56$ will be

$56 ÷ 7 = 8$

    or

$56 ÷ 8 = 7$

If $49 \times 7 = 343$, so... $343 ÷$ _____ $= 7$

if we have $49 \times 7 = 343$,

then, its inverse relations will be

$343 ÷ 7 = 49$ or $343 ÷ 49 = 7$

You see that the second expression has the

missing number which is 49

If $660 ÷ 12 = 55$, so... _____ $\times 55 = 660$

if we have $660 ÷ 12 = 55$,

then, its inverse relations will be

$12 \times 55 = 660$ or $55 \times 12 = 660$

You see that the first expression has the

missing number which is 12