

0 5 . 0 5 . 2 1

LO: To use inverse operations

.

What is the inverse of $\times$?

What is the inverse of $\div$?

$$13 \times 4 = 52$$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline 10 \end{array}$$

$\times$	10	3
4	40	12

$$40 + 12 = 52$$

Inverse:

$52 \div 4 = 13$

Handwritten multiplication and division work:

$13 \times 4 = 52$ (written vertically with checkmarks)

$52 \div 4 = 13$ (written vertically with checkmarks)

A red circle highlights the divisor 4 in the division problem, with an arrow pointing to the first zero in the multiplication problem.

	T	O
1		0 0 0
1		0 0 0
1		0 0 0
1		0 0 0

$$13 \times 4 = 52$$

Inverse

$$52 \div 4 = 13$$

~~$17 \times 5 = 85$~~

Arrows point from the 1 to 10 and from the 7 to 7.

x	10	7
5	50	35

$50 + 35 = 85$

Inverse:

85 ÷ 5 = 17



T	O
1	0 0 0 0 0 0
1	0 0 0 0 0 0
1	0 0 0 0 0 0
1	0 0 0 0 0 0
1	0 0 0 0 0 0

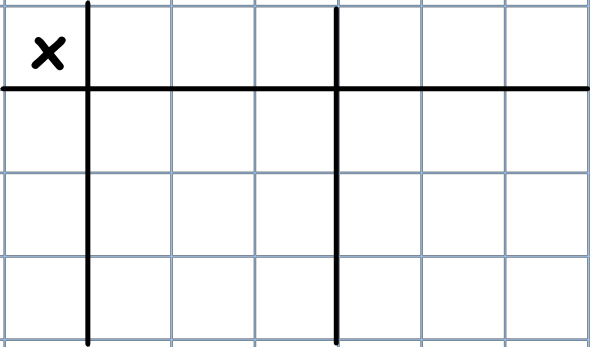
$$17 \times 5 = 85$$

Inverse

$$85 - 5 = 17$$

2 2 x 3 =

↙ ↘



Inverse:

_____ - _____ =

T	O

$$2 \times 3 = 6$$

Inverse

$$6 \div 3 = 2$$

Try these:

Original	Inverse	Did I get the answer correct? (yes or no)
$14 \times 4 = 56$	$\underline{\hspace{1cm}} \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	
$11 \times 6 = 77$	$\underline{\hspace{1cm}} \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	
$16 \times 5 = 80$	$\underline{\hspace{1cm}} \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$	