ALGEBRA

Solving and explaining simple one-step equations using basic whole-number facts:

$x + 7 = 15$

what number + 7 = 15?

8 + 7 = 15

$x =$

Let's try

10 -

10 -

10 − **8** = 2

***y* = 8**

Solving and explaining simple one-step equations using inverse operations involving whole numbers:

Addition and subtraction are **inverse operations.**

5 + 3 = 8 ← you can reverse it → 8 – 3 = 5

Multiplication and division are **inverse operations** too.

2 x 3 = 6 ← you can reverse it → 6 ÷ 3 = 2

You can use inverse operations to figure out these one-step algebra problems as well:

r ÷ 2 =

You can

2 =

5 x 2 =

r ÷ 2 = 5

***r* = 10** (because 5 x 2 = 10)

Let's try another one:

***b* x 3 = 15**

Dividing 15 ÷ 3 =

15 ÷ 3 = 5

b x 3 = 15

***b* = 5** (because 15 ÷ 3 = 5)