Name: _____

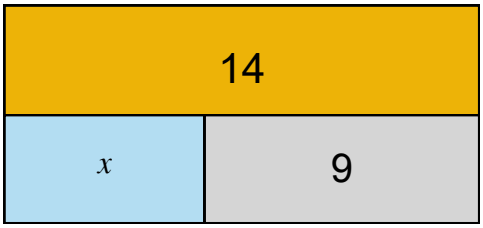
ALGEBRA INTRODUCTION:

LETTERS AS UNKNOWN NUMBERS

In algebra, letters represent numbers in equations.
The letter x is often used, and $2x$ means '2 multiplied by x'. To avoid confusion, the multiplication sign is not used.

Use inverse operations to find the solution!

a)

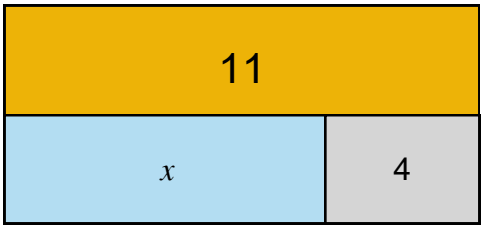


$x + 9 = 14$

$-9 \quad -9$

$x = \boxed{5}$

b)

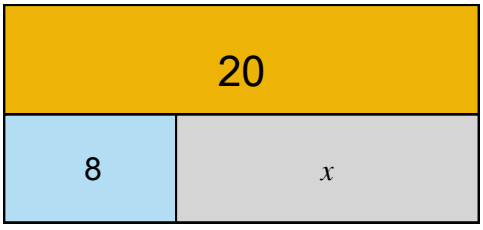


$x + 4 = 11$

$-4 \quad -4$

$x = \boxed{7}$

c)



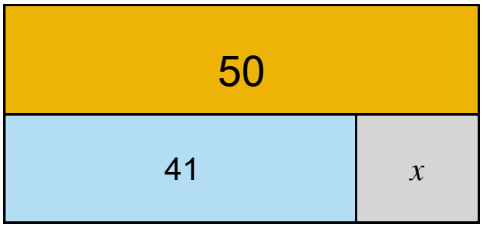
$8 + x = 20$

$-8 \quad -8$

$x = 12$

$x = \boxed{12}$

d)



$41 + x = 50$

$-41 \quad -41$

$x = 9$

$x = \boxed{9}$

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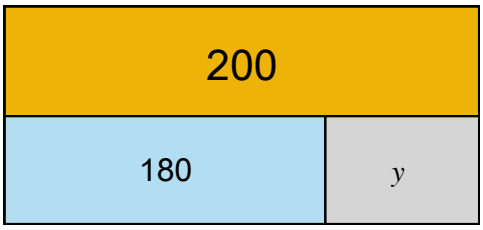
Name: _____

ALGEBRA INTRODUCTION:

LETTERS AS UNKNOWN NUMBERS

e)



$180 + y = 200$

$-180 \quad -180$

$y =$ 20

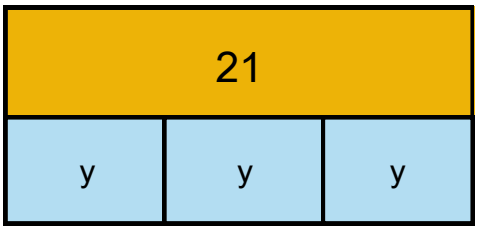
f)

$330 + y = 400$

$-330 \quad -330$

$y =$ 70

g)

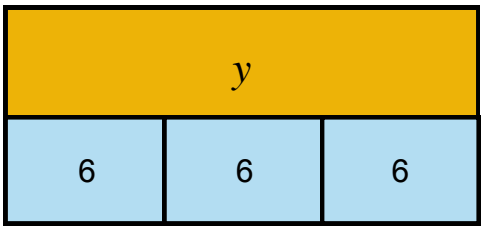


$3y = 21$

$\div 3 \quad \div 3$

$y =$ 7

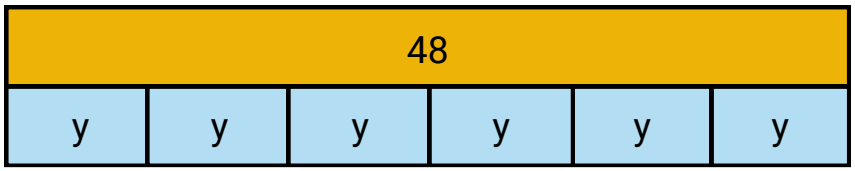
h)



$y = 3 \times 6$

$y =$ 18

i)



$6y = 48$

$\div 6 \quad \div 6$

$y =$ 8

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