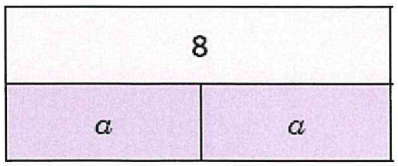
02/03/21

Write algebraic equations to represent the bar models.

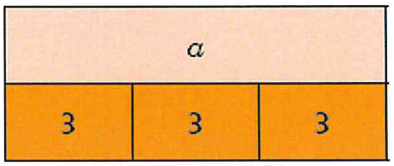
Find the value of a in each one.

a)



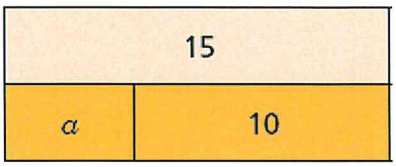
$a =$ 4

c)



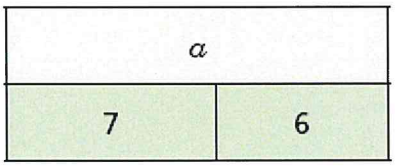
$a =$ 9

b)



$a =$ 5

d)



$a =$ 13

Find the value of y.

$y + 8 = 14$ 6

$3y = 24$ 8

$50 - y = 23$ 27

$\frac{y}{4} = 28$ 112

because inverse

$28 \times 4 = 112$

Nijah is solving the equation $x - 8 = 20$

$x - 8 = 20$

$x = 20 - 8$

$x = 12$

What mistake has Nijah made? She should've + 8 so $x = 28$

Filip thinks of a number.

He subtracts 5 from his number.

He ends up with 10

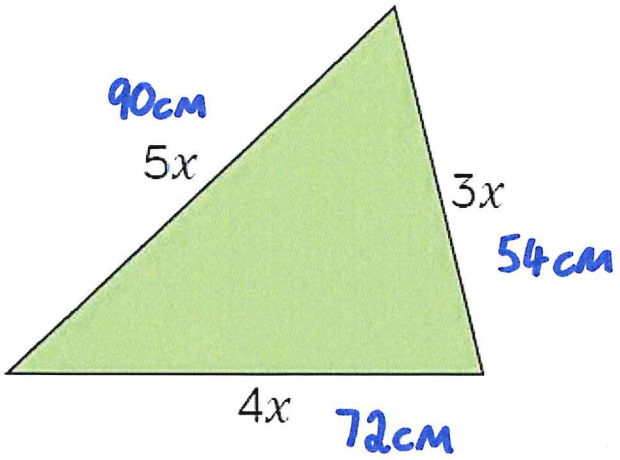
Write an algebraic equation to represent Filip's problem.

$x - 5 = 10$

Solve the equation to work out his number. $x = 15$

$10 + 5$

The perimeter of the triangle is 216 cm.



Form an equation to show this information.

$5x + 3x + 4x = 216$

Solve the equation to find the value of x.

Work out the lengths of the sides of the triangle.

$5 + 3 + 4 = 12$

$12x$

$216 \div 12 = 18$

$x = 18$

$5x = 5 \times 18 = 90$

$4x = 4 \times 18 = 72$

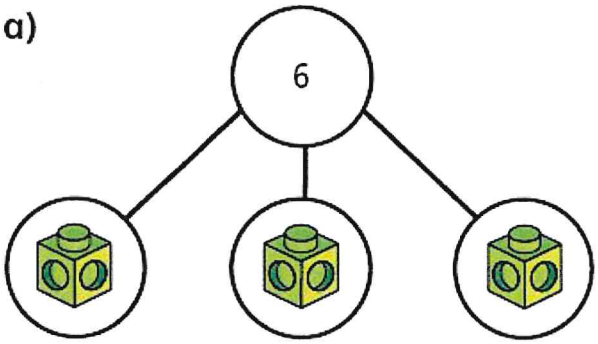
$3x = 3 \times 18 = 54$

02/03/21

Write an equation for each part-whole model.

Work out the value of the multilink cube in each equation.

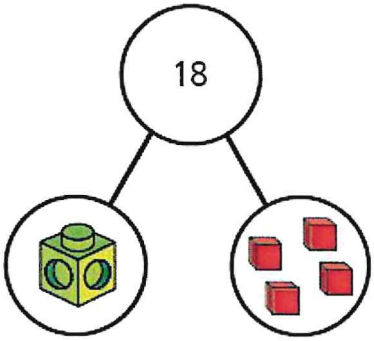
a)



$3x = 6$

 = 2

b)



$x + 4 = 18$

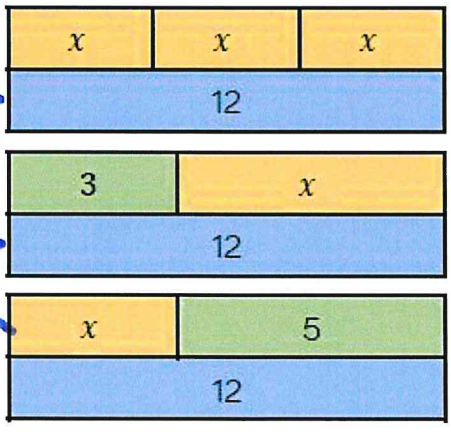
 = 14

Match each equation to the correct bar model and then solve to find the value of x.

$x + 5 = 12$

$3x = 12$

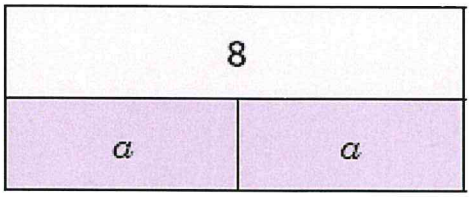
$12 = 3 + x$



Write algebraic equations to represent the bar models.

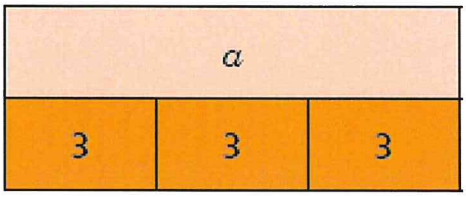
Find the value of a in each one.

a)



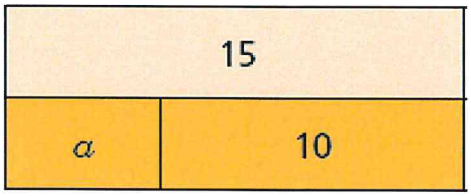
$a =$ 4

c)



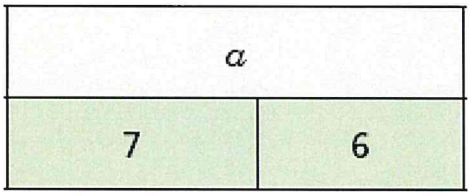
$a =$ 9

b)



$a =$ 5

d)



$a =$ 13