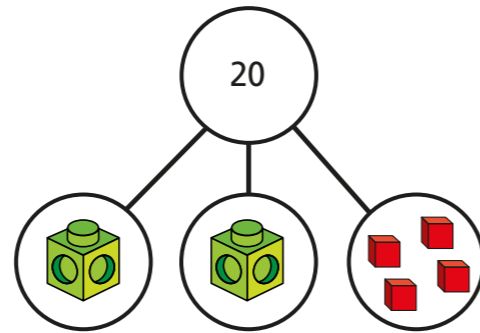


Solve two-step equations

1 Here is a part-whole model.



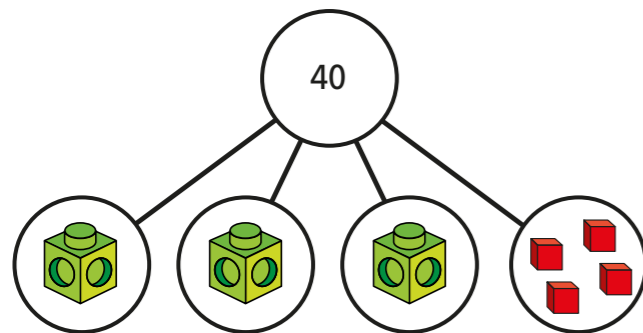
a) Write an equation for the part-whole model.

$$2a + 4 = 20$$

b) Solve the equation to work out the value of

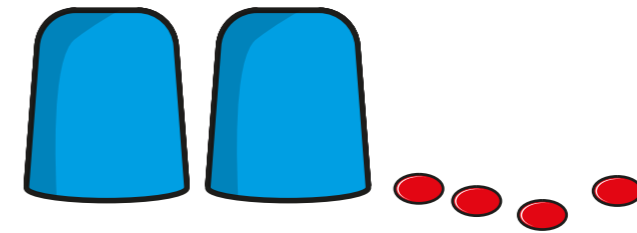
= 8

2 If each multilink cube represents x , form and solve an equation to find the value x .



$x =$ 12

3 There is the same number of counters under each cup.
There are 16 counters in total.



a) Use y to represent the number of counters under each cup.
Write an equation in terms of y .

$$2y + 4 = 16$$

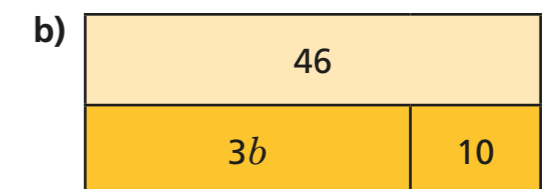
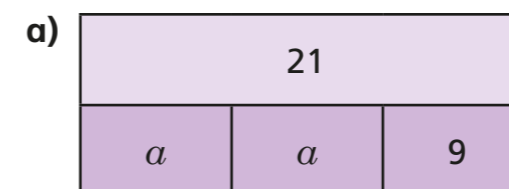
b) Solve the equation to find the value of y .

$y =$ 6

c) How many counters are under each cup?

6

4 Write an algebraic equation to represent each bar model.
Find the values of a and b .



$a =$ 6

$b =$ 12

