

Solve simple one-step equations

- 1 Write an equation for each part-whole model.

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



- 2 There are some counters under the cup.



There are 10 counters in total.

- a) If c is the number of counters under the cup, explain why

$$c + 6 = 10$$

- b) Work out the value of c .

$$c = 4$$

- c) How many counters are under the cup?

$$4$$

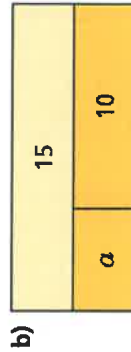
- 3 Write algebraic equations to represent the bar models.

Find the value of a in each one.



$$a = 4$$

$$a = 9$$



$$a = 5$$

$$a = 13$$

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

$$\begin{aligned} x - 8 &= 20 \\ x &= 20 - 8 \\ x &= 12 \end{aligned}$$

What mistake has Nijah made?

She should have added 8 to 20

$$x = 28$$