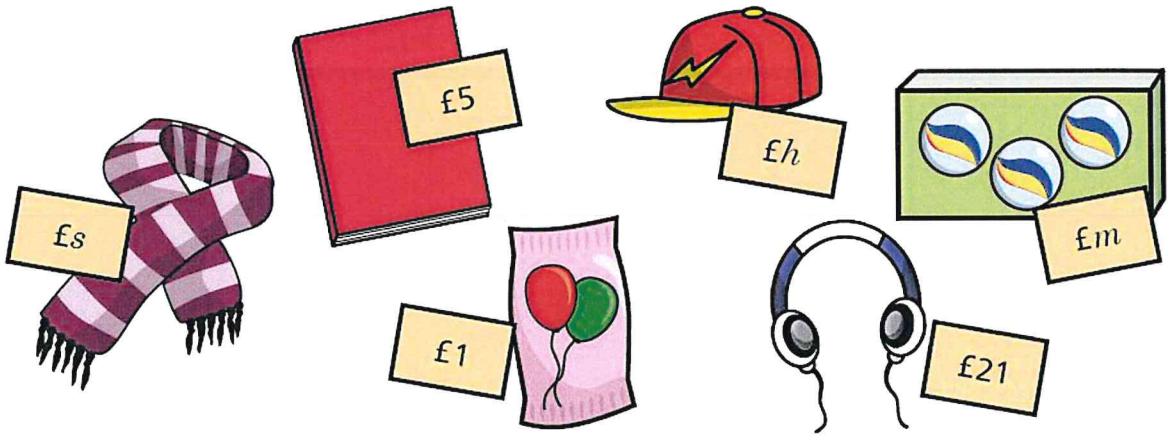
01/03/21

A book costs £5 and a magazine costs £n
The total cost of the book and magazine is £8
Write this information as an equation.

$5 + n = 8$

A shop sells these items.



The total cost of a scarf and a book is £17

Form an equation to represent this information.

$S + 5 = 17$

The total cost of 2 packets of balloons and a hat is £11

Form an equation to represent this information.

$2 + h = 11$

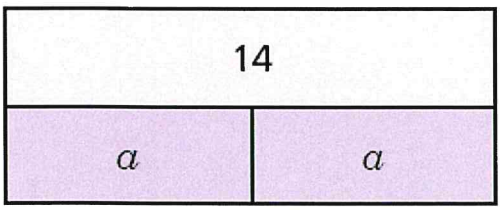
The total cost of a pair of headphones, a scarf and 2 boxes of marbles is £39

Form an equation to represent this information.

$21 + S + 2m = 39$

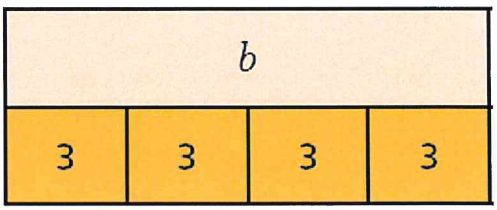
Write equations to represent the bar models.

a)



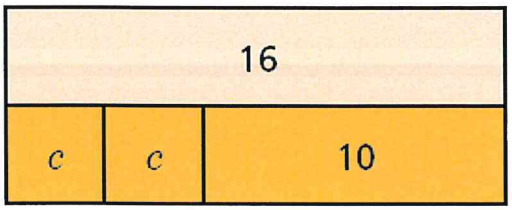
$2a = 14$

b)



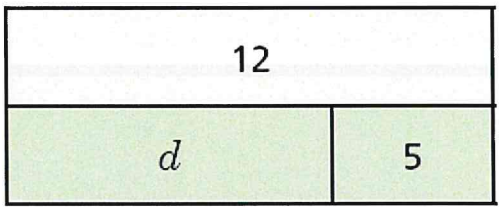
$\frac{b}{4} = 3$

c)



$2c + 10 = 16$

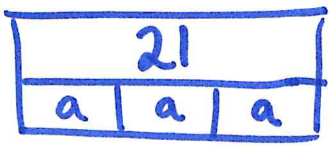
d)



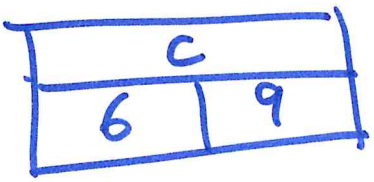
$d + 5 = 12$

Draw a bar model to represent each equation.

$3a = 21$



$6 + 9 = c$



Rosie thinks of a number. She adds 7 and divides her answer by 2

Teddy thinks of a number. He multiples by 3 and subtracts 4

Rosie and Teddy think of the same number.
Rosie's answer is 9
What is Teddy's answer? 29

They think of 11

Working Deeper

Eva spends 92p on yo-yos and sweets

She buys y yo-yos costing 11p and s sweets costing 4p.

Can you write an equation to represent what Eva has bought?

$92 = 11y + 4s$

How many yo-yos and sweets could Eva have bought?

1 sweet and 8 yo-yos
or
4 yo-yos and 12 sweets

Can you write a similar word problem to describe this equation?

$$74 = 15t + 2m$$

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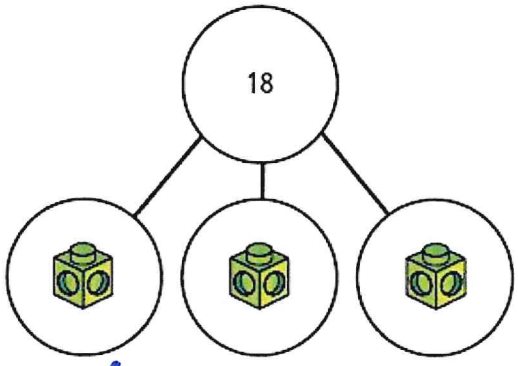
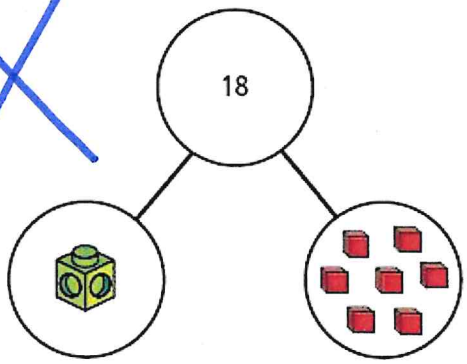
Match each equation to the part-whole model it represents.

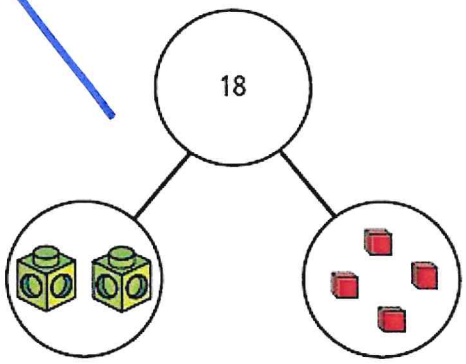
$y + 7 = 18$

$2y + 4 = 18$

$3y = 18$

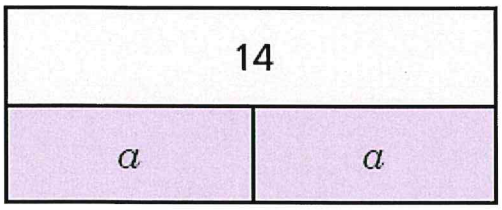






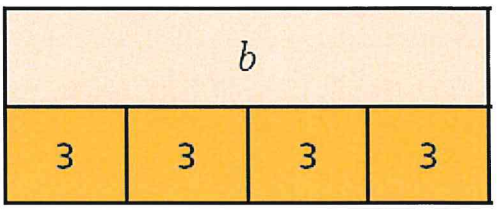
Write equations to represent the bar models.

a)



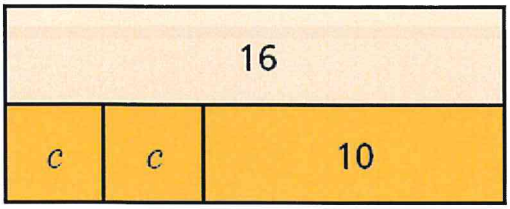
$2a = 14$

b)



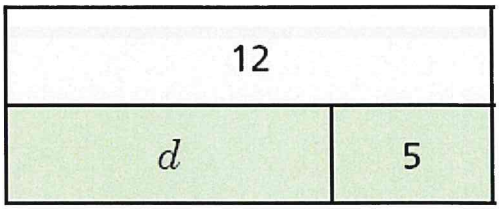
$\frac{b}{4} = 3$

c)



$2c + 10 = 16$

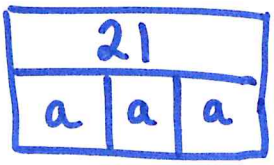
d)



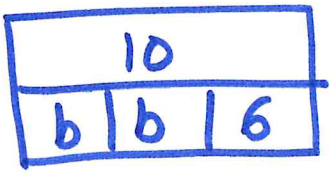
$d + 5 = 12$

Draw a bar model to represent each equation.

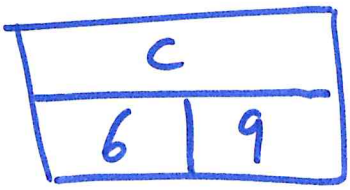
a) $3a = 21$



b) $2b + 6 = 10$



c) $6 + 9 = c$



d) $\frac{d}{2} = 7$