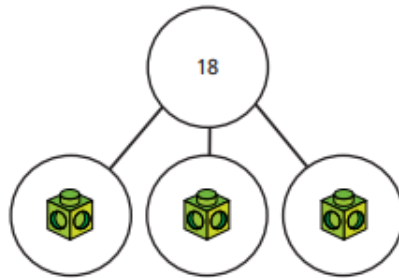


Maths Worksheet: Tuesday 2nd March 2021

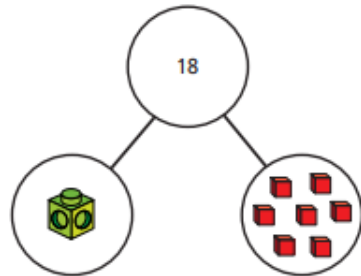
Algebra: Forming Equations

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

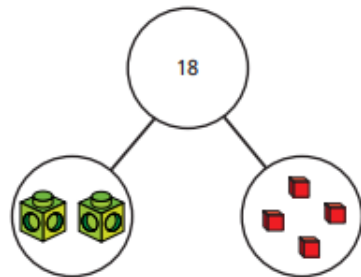
$y + 7 = 18$



$2y + 4 = 18$



$3y = 18$



2) A shop sells these items.



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

Form an equation to represent this information.

Helpful Hints:

Book = b

Scarf = s

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

Form an equation to represent this information.

Helpful Hints:

Pack of Balloons = b

Hat = h

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

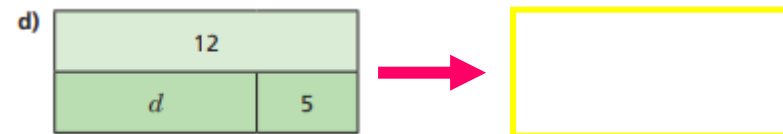
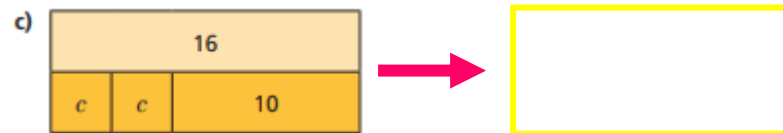
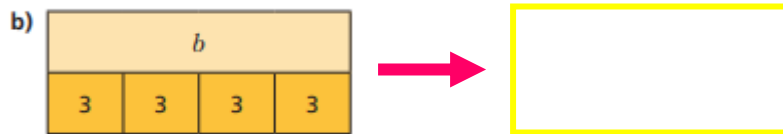
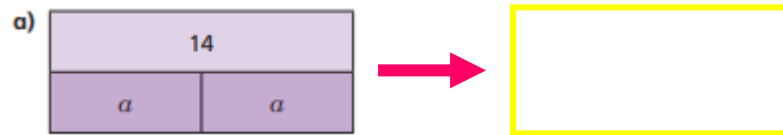
Form an equation to represent this information.

Helpful Hints:


Headphones = h Marbles = m


Scarf = s



3) Write equations to represent the bar models.



5) Tommy and Rosie are thinking of a number each.
Write an equation to represent each problem.

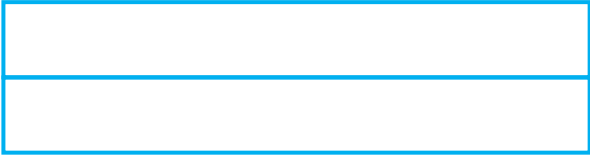
 I subtract 3 from my number. I get the answer 10

 I have doubled my number and added 5. My answer is 19

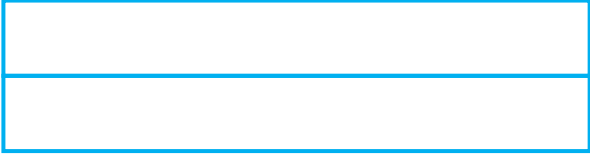
 

A cartoon boy (Tommy) says, "I subtract 3 from my number. I get the answer 10." A pink arrow points down from him to a green empty box. A cartoon girl (Rosie) says, "I have doubled my number and added 5. My answer is 19." A pink arrow points from her to another green empty box.

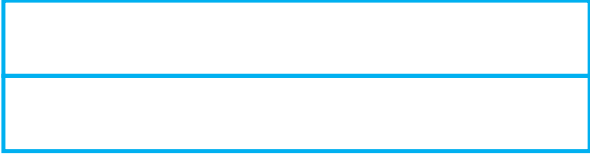
4) Draw a bar model to represent each equation.

a) $3a = 21$ 

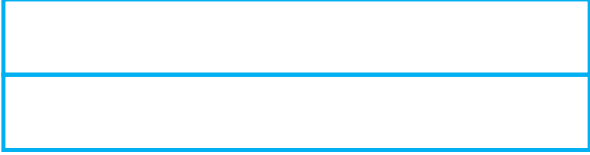
A blue empty bar model with two horizontal sections, intended for drawing a bar model for the equation $3a = 21$.

b) $2b + 6 = 10$ 

A blue empty bar model with two horizontal sections, intended for drawing a bar model for the equation $2b + 6 = 10$.

c) $6 + 9 = c$ 

A blue empty bar model with two horizontal sections, intended for drawing a bar model for the equation $6 + 9 = c$.

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

A blue empty bar model with two horizontal sections, intended for drawing a bar model for the equation $\frac{d}{2} = 7$.