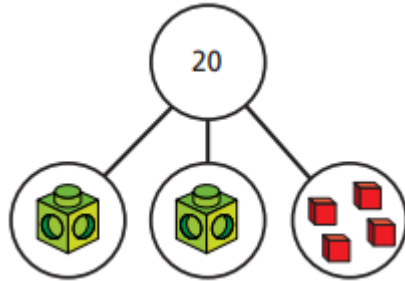


Maths Worksheet: Friday 5th March 2021


Algebra: Solve Two Step Equations


1) Here is a part-whole model.



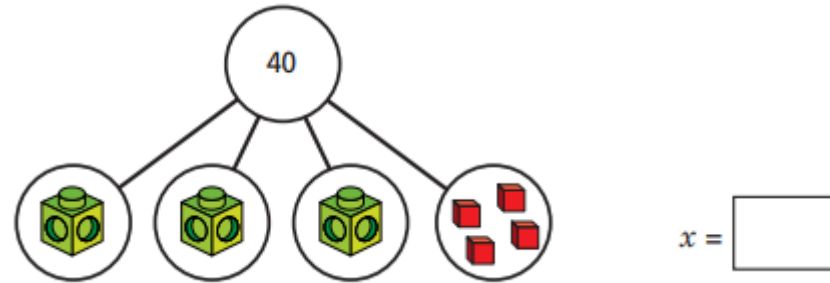
a) Write an equation for the part-whole model.

Equation:

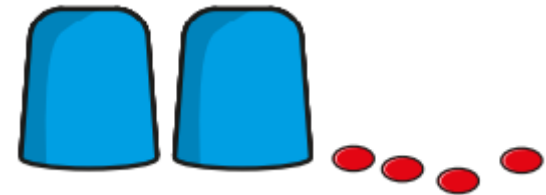
b) Solve the equation to work out the value of 

 =

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



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 .

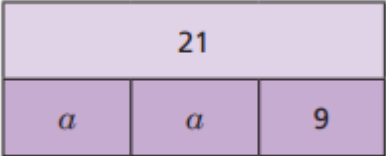
Equation:

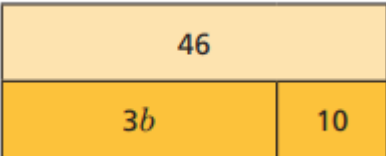
b) Solve the equation to find the value of y .

$y =$

c) How many counters are under each cup?

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

a)  $a = \square$

b)  $b = \square$

- 5) Solve the equations.

a) $5x + 1 = 31 \rightarrow x = \square$

b) $3x - 3 = 9 \rightarrow x = \square$

c) $4p - 11 = 3 \rightarrow p = \square$

- 6) Dani thinks of a number.
She doubles it and adds 3
She gets the answer 15

- a) Write an equation to represent Dani's problem.

Equation:

- b) Solve the equation to find her number.

Dani's number is...

- 7) Alex is y years old.
Her friend Brett is 3 years older.
The total of their ages is 25
How old are Alex and Brett?

Alex is

Brett is