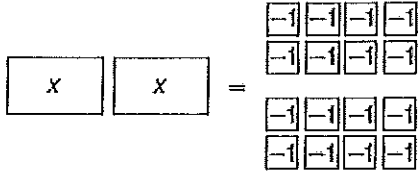


Solving Equations Using Models

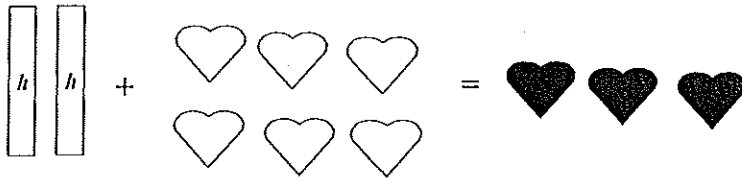
Homework
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1. Using the model, what is the solution to the equation $2x = -16$?



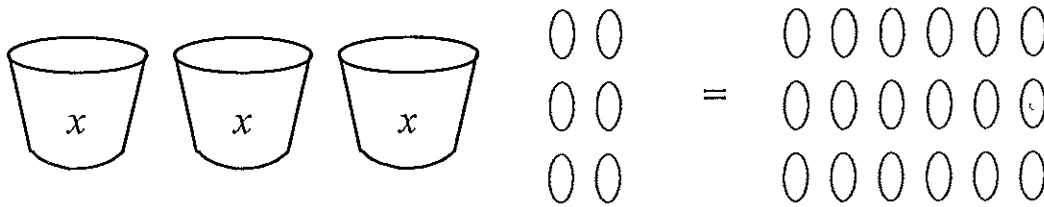
- a. $x = -2$
- b. $x = -4$
- c. $x = -8$
- d. $x = -18$

2. Which equation represents this diagram? represent +1, represents -1



- a. $2h + 6 = -3$
- b. $2h - 6 = 3$
- c. $h + 6 = -3$
- d. $h - 6 = 3$

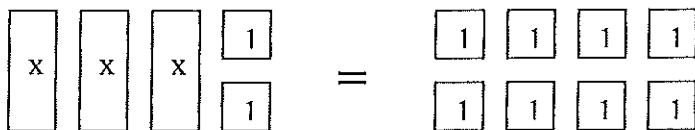
3. The model below represents the equation $3x + 6 = 18$.



What is the first step in finding the value of x ?

- a. Divide the beans evenly among the 3 cups.
- b. Add 18 beans to each side of the model
- c. Add 6 beans to each side of the model
- d. Subtract 6 beans from each side of the model

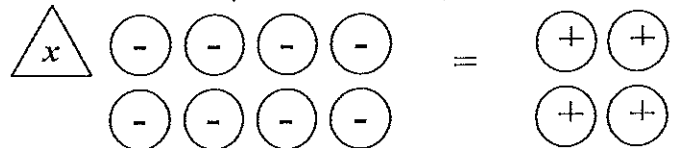
4. The equation $3x + 2 = 8$ is modeled below.



What is the solution to the equation?

- a. $x = 2$
- b. $x = -2$
- c. $x = 6$
- d. $x = -6$

5. The model represents the equation $x - 8 = 4$.



What is the value of x ?