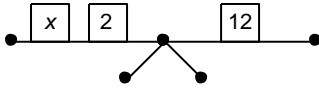


## Equations

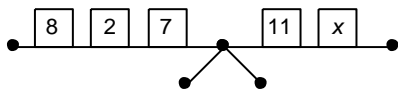
### Multiple Choice

- \_\_\_ 1. Use this balance-scales model to solve for  $x$ .



- a. 10                      b. 6                      c. 14                      d. -10
- \_\_\_ 2. Solve this equation.  $5t = 20$
- a. 15                      b. -4                      c. 4                      d. 25
- \_\_\_ 3. Write an equation for this situation.  
Patricia has  $p$  posters. She sold 8 and has 18 left.
- a.  $p + 18 = 8$                       c.  $p + 8 = 18$   
b.  $p - 8 = 18$                       d.  $p = 18 - 8$
- \_\_\_ 4. Solve this equation.  $20 - 3x = 14$
- a. 2                      b. -2                      c. 3                      d. -3

5. Use this balance-scales model to solve for  $x$ .



6. Solve this equation.  $9x + 16 = 43$

7. Jacqui has \$56 in her savings account. She saves \$25 each week. How long will it take before she has \$406 in her account? Write an equation, then solve the problem.

## Equations Answer Section

1. ANS: A
2. ANS: C
3. ANS: B
4. ANS: A

5. ANS:  
 $x = 6$

6. ANS:  
 $x = 3$

7. ANS:  
Let  $x$  be the number of weeks.  
 $56 + 25x = 406$   
 $x = 14$   
It will take Jacqui 14 weeks.