

Answer Key

Challenge: Skills and Applications

1. \$72

2. $\frac{\text{money saved} + \text{money need to save}}{\text{number of weeks}} =$

average savings

3. money saved = 72; money need to save = x ;
number of weeks = 5; average savings = 20

4. $\frac{72 + x}{5} = 20$ 5. 28 6. I need to save \$28

this week 7. *Sample answer:* $1.0575(9.5x) \leq 48$

8. 4 9. 4 CDs 10. no 11. yes

12. *Sample answer:* $65t \geq 143$