



Objective 2 TEKS 6.5 Practice

1. The cost of renting a mountain bike is a basic fee of \$6 plus an additional \$1.50 for each hour that the bike is rented. Which equation can be used to find c , the cost of renting a bike for h hours?
- A** $c = 1.5(h + 6)$ **B** $c = 6(h + 1.5)$
C $c = 1.5h + 6$ **D** $c = 6h + 1.5$
2. Maria bought 3 posters at the regular price of \$16.25 each. Then she got the same discount on each poster. Which equation can be used to find t , the total price of the 3 posters with the discount, d ?
- F** $t = 16.25 - d$
G $t = (3 \times 16.25) - d$
H $t = 3d + (3 \times 16.25)$
J $t = (3 \times 16.25) - 3d$
3. Jamal had 14 CDs. He gave 3 of his friends each an equal number of a few of his CDs. Then Jamal bought 4 new CDs. Which equation can be used to find n , the number of CDs Jamal has now after giving away x CDs to each of his friends?
- A** $n = 14 + x - 4$
B $n = 14 - x + 4$
C $n = 14 - 3x + 4$
D $n = 14 + 3x - 4$
4. David is 3 times as old as his brother, plus 4 years. Which equation can be used to find David's age d when his brother is b years old?
- F** $d = b + (3 \cdot 4)$ **G** $d = 3b + 4$
H $d = 3b - 4$ **J** $d = b + 4$
5. Some members of the Johnson family are going to a concert. They will pay \$6 for parking their car and \$9.25 for a ticket for each family member. They have 2 concert discount cards that are \$2.50 each. Which equation can be used to find c , the total cost if m members of the family go?
- A** $c = 9.25m - 2(2.5) + 6$
B $c = (9.25 - 2.5)m + 6$
C $c = (9.25m - 2.5) + 6$
D $c = 9.25m + 2(2.5) + 6$
6. Mrs. Ng gave out 69 free tickets to the students in her class. Each student received the same number of tickets. There was 1 ticket left over. Which equation can be used to find the number of tickets t that each of the s students received?
- F** $t = (69 + s) - 1$
G $t = (69 - s) + 2$
H $t = (69 \times s) - 1$
J $t = (69 - 1) \div s$
7. A small group of friends is going camping at a state park. They will share the cost equally. The park entrance fee is \$15 and the campsite fee is \$18.50. If f stands for the number of friends going, which equation can be used to find the cost c for each person?
- A** $c = f(18.5 + 15)$
B $c = (18.5 - 15) \div f$
C $c = f + (18.5 + 15)$
D $c = (18.5 + 15) \div f$
- 6.5** When you finish this page, you can check off a box on your TEKS Tracker, page 21.