

Quiz 14.3

Consider this situation for questions #1 & #2.

A teacher has \$30 to buy apples and bananas for her 5th grade class. The apples cost \$3.00 per pound and the bananas cost \$4.50 per pound.

1. Which of the following equations can be used to represent the number of pounds of apples (a) and the number of pounds of bananas (b) that the teacher can buy for \$40?
 - a) $3.00a + 4.50b = 30.00$
 - b) $3.00b + 4.50a = 30.00$
 - c) $3.00a - 4.50b = 30.00$
 - d) $3.00b - 4.50a = 30.00$
2. If the teacher buys 4 pounds of apples, how many pounds of bananas can she buy?
 - a) 2 pounds
 - b) 3 pounds
 - c) 4 pounds
 - d) 5 pounds

Consider this situation for questions #3 & #4.

For a camping trip, the cost to rent a canoe is \$20 plus \$4.50 per hour.

3. Which of the following equations can be used to represent the total cost (c) of renting a canoe for (h) hours?
 - a) $c = 4.50h + 20$
 - b) $c = 20h + 4.50$
 - c) $c + 4.50h = 20$
 - d) $c + 20h = 4.50$
4. How much would it cost to rent a canoe for 2 hours?
 - a) \$15.50
 - b) \$24.50
 - c) \$29.00
 - d) \$44.50