Problem Solving: Draw a Picture and Write an Equation

Draw a picture and write an equation to solve each problem.

1. Mr. Conover bought 6 boxes of pastels for his art class. He paid $4.50 for each box. What was the total cost of the boxes?

_____

2. A company charters boats for whale watching. The company chartered 13 boats. There were a total of 325 passengers on the boats. What was the average number of passengers per boat?

_____

3. A store sells 5-gallon bottles of water for $8. The store made $288 on Monday selling the water. How many bottles were sold?

_____

4. A sign at a recycling center states that 118 pounds of recycled newspapers saves one tree. How many pounds of newspapers will save 3 trees?

_____

5. Algebra Students mailed invitations to a play to 414 parents. Each student mailed 18 invitations. If s equals the number of students who mailed invitations, which equation best shows the number of invitations that were mailed?

A $s + 18 = 414$ **C** $18 \div s = 414$

B $s \div 18 = 414$ **D** $18s = 414$

Practice **4-5**