

# 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?

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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?

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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?

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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?

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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  $18s = 414$