### Multiplication Word Problems

1. Which expression matches the story? Make sure you understand why.

| a. There were twelve boxes with six books in each, and seven bags with ten books in each. | 12 + 6 + 7 × 10  
12 × 6 + 7 × 10  
12 × 6 × 10  
12 × 6 + 7 × 10  
12 × 6 × 7 × 10 |
|---|---|
| b. A school bus can seat 42 children. Seven buses were full, and in the eighth bus there were six empty seats. | 42 ÷ 7 + 6  
42 × 7 + 6  
42 × 6 × 42 – 6  
42 × 7 + 36 |
| c. Of the shipment of 5,000 CDs, the store sold seven stacks of 50 CDs, and 27 individual CDs the first day. How many are left? | 5,000 – 50 – 27  
5,000 – 50 × 27  
5,000 – 7 × 50 – 27  
5,000 – 7 × 50 + 27 |

2. Write a numerical expression (number sentence) like those in exercise 1. Then solve.

<table>
<thead>
<tr>
<th>a. Karen bought five cans of food for $1.99 each, and seven cans of food for $1.28 each. What was the total?</th>
<th>b. Jim bought eight cans of each of three different kinds of cat food. One kind cost $1.25, the second kind cost $1.64, and the third kind cost $0.79. What was the total cost?</th>
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<tr>
<td>c. How many people can you fit in twelve buses that can hold 39 passengers each, and seventeen minivans that can hold 9 persons each?</td>
<td>d. A truck contains 500 boxes that weigh 20 kg each, a car weighing 500 kg, and ten 45-kg tables. What is the total weight?</td>
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<td>e. Jerry bought five boxes of nails for $4.58 and seven boxes of screws for $2.83. What was his change from $100?</td>
<td>f. How many days are there from September to May (in other words, not including June, July, or August)?</td>
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<td>g. Dad's regular wage is $11 per hour. He gets $15 per hour for overtime. He was paid for 160 regular hours and 55 hours of overtime. How much was his total paycheck?</td>
<td>h. If Dad worked eighteen eight-hour days, and 22 hours of overtime, how much would he earn?</td>
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