

Multiplication Word Problems

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

<p>a. There were twelve boxes with 6 books in each, and seven bags with 10 books in each.</p>	$12 + 6 + 7 \times 10$ $12 \times 6 \times 10$ $12 \times 6 + 7 \times 10$ $12 \times 6 \times 7 \times 10$
<p>b. Forty-two kids can fit into a school bus. Seven buses were full, and in the eighth there were six empty seats.</p>	$42 \div 7 + 6$ $42 \times 7 + 6$ $42 \times 6 \times 42 - 6$ $42 \times 7 + 36$
<p>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?</p>	$5,000 - 50 - 27$ $5,000 - 50 \times 27$ $5,000 - 7 \times 50 - 27$ $5,000 - 7 \times 50 + 27$

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

<p>a. Karen bought five cans for \$1.99 each, and seven cans for \$1.28 each. What was the total?</p>	<p>b. Jim bought eight cans of each of three different kinds of cat food. One kind cost \$1.25, the second kind \$1.64, and the third kind \$0.79. What was his total bill?</p>
<p>c. How many people can you fit into twelve buses that can hold 39 passengers each, and seventeen minivans that can hold 9 persons each?</p>	<p>d. A truck contains 500 boxes of 20 kg each, a car weighing 500 kg, and ten 45-kg tables. What is the total weight?</p>
<p>e. Jerry bought five boxes of nails for \$4.58 and seven boxes of screws for \$2.83. What is his change from \$100?</p>	<p>f. How many of the year's days are there in the months from September to May (in other words, not including June, July, or August)?</p>
<p>g. Dad gets paid \$11 for normal work, and \$15 for overtime. Last month, he worked 160 hours normal work and 55 hours overtime. How much was his total paycheck?</p>	<p>h. Another month, Dad put in eighteen 8-hour days, and 22 hours overtime. How much was his paycheck in that month?</p>