SKILL 14: PROBLEM SOLVING: Adding, Subtracting, and Multiplying Money

Computing with money is like computing with decimals.

Example

Kami bought 5 regular hamburgers. How much did the hamburgers cost?	**Healthy Hamburgers Menu**	
	Regular Burger	$2.29
	with cheese	$2.79
	Deluxe Burger	$3.69
	with cheese	$4.09
	Salad	$1.59
	Beverage	$1.10
	Dessert	$1.39

Kami bought 5 regular hamburgers. How much did the hamburgers cost?

Plan You are to find the total cost of 5 hamburgers. Since each hamburger costs the same amount, you can multiply.

Solve Multiply.

$$\begin{array}{r} \$ 2.29 \leftarrow \text{Cost of one hamburger.} \\ \times\ \ \ 5 \leftarrow \text{Kami bought 5 hamburgers.} \\ \hline \$ 11.45 \leftarrow \text{Total cost} \end{array}$$

The hamburgers cost $11.45.

Look back See if your answer makes sense. Each hamburger costs a little more than $2. Since 5 × $2 = $10, the answer makes sense.

Guided Practice

How much more does one deluxe hamburger cost than one regular hamburger?

1. How much does one deluxe hamburger cost? _____

2. How much does one regular hamburger cost? _____

3. How are you going to find how much more one deluxe hamburger costs? _____

4. How much more does one deluxe hamburger cost? _____

How much does a regular hamburger with cheese and a beverage cost?

5. How much does one hamburger with cheese cost? _____

6. How much does one beverage cost? _____

7. How are you going to find the answer? _____

8. How much does a regular hamburger with cheese and a beverage cost? _____
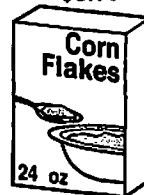
SKILL 14: Practice

Solve each problem.

1. Use the Healthy Hamburger Menu on the previous page. How much would a deluxe hamburger with cheese, a salad, and a beverage cost? _____

2. Lauren earns $4.50 an hour babysitting. How much will she earn in 3.5 hours? _____

3. How much change did Aaron get if he paid for a $6.25 movie ticket with a $20 bill? _____

4. Fines for overdue books at the Maple Park Library are $.08 a day. What is the fine for a book that has been overdue for 14 days? _____

5. Apples are on sale for $.85 a pound. How much would 2.5 pounds of apples cost? Round your answer to the nearest cent. _____

6. Ms. Ryder bought a birthday present for $18.75, a card for $1.98, and wrapping paper for $2. How much did she spend? _____

7. A CD was marked $12.50, but with sales tax it cost $13.56. How much was the sales tax? _____

8. Mr. Kenny bought 8.2 gallons of gasoline that cost $1.489 per gallon. How much did he pay for the gasoline? Round your answer to the nearest cent. _____

9. Randy has a coupon for $.50 off the rental of a video. How much would he pay for a video that rents for $2.49? _____

10. How much do you save by buying a 24-ounce box of corn flakes instead of two 12-ounce boxes? _____

$2.11 $3.79

Corn Flakes 12 oz   Corn Flakes 24 oz

TEST PREP

11. Frozen orange juice concentrate costs $.02 per ounce. How much does a 64-ounce container cost?

    Skill 14

    A $.13   C $12.80

    B $1.28   D $64.02

12. Which decimal is read two hundred twenty and four thousandths?

    Skill 1

    F 0.224   H 224,000

    G 220.04   J 220.004