Directions: Using the information on page 36 and the previous units as reference, solve the problems on this page. (*Suggestion:* Challenge yourself and see how quickly you can complete them. Can you solve all 30 problems in an hour and a half?)

1. Tiffany's pan of fudge had 12 pieces. She sold $\frac{1}{3}$ of the fudge. How many pieces did she sell? _____

2. Andrew needed 3 quarts of punch for the bake sale. He had $\frac{3}{4}$ quart in one container, $\frac{1}{2}$ quart in another container, and $1\frac{1}{4}$ quart in another container. How much punch did he have? _____ Did he have enough punch for the bake sale? _____

3. How many dollars do you have if you have 6 quarters, 4 nickels, and 3 dimes? _____

4. The local store carries two kinds of veggie hot dogs:

    > Bark 'n' Bite Hot Dogs: 8 hot dogs for $3.20
    >
    > Good Dog Hot Dogs: 6 hot dogs for $3.00

    a. How much does one Bark 'n' Bite hot dog cost? _____

    b. How much does one Good Dog hot dog cost? _____

5. The town band purchased a bass drum for $236.95, a trumpet for $165.39, and a saxophone for $207.10. What was the total cost of the instruments? _____

6. The fourth grade raised $67.23 for the play costumes; the fifth grade raised $87.23; the sixth grade raised $108.45; and the seventh grade raised $154.39. What was the total amount of their contribution? _____

7. Gabriel sold cookie boxes to raise money for his summer camp trip. He sold 8 boxes at $3.49 per box, 6 boxes at $4.49 per box, and 12 boxes at $2.98 per box. What was the total of his sales? _____

8. A bag of tortilla chips costs $3.49, and a jar of hot salsa costs $1.79. How much will 4 bags of chips and 3 jars of salsa cost? _____

9. Luke ordered 6 paperback books and 3 animal posters from a catalog. Each book cost $4.95. The posters cost $8.95 each. How much did he spend in all? _____

10. Jason bought 6 packs of baseball cards and paid $7.56. If each package cost the same amount, what was the cost of each package of cards? _____

11. If you buy an 18-ounce bottle of hot sauce, the cost is 68 cents. How much does the hot sauce cost per ounce? (Round to nearest hundredth.) _____

12. At a school luncheon, each pupil was served $\frac{1}{2}$ of a grapefruit. Thirty-two pupils were there. How many grapefruits were needed? _____

13. If 5 boys share a cantaloupe equally, is each boy's share more than $\frac{1}{4}$ of a cantaloupe? _____

14. Here's the lunch menu.

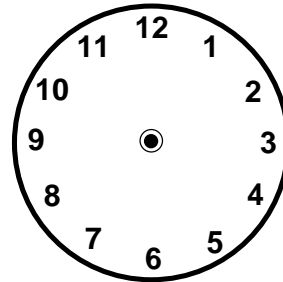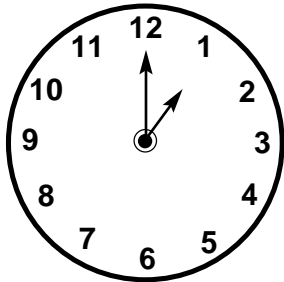| Lunch Menu	
GIANT peanut butter and jelly sandwich	$2.50
Veggie Burger	$3.25
French Fries	$2.25
Salad	$2.75
Fruit Shake	$2.50
Spaghetti	$3.75

Paul had a veggie burger and a salad. Todd had a fruit shake, spaghetti, and a salad.
Eli had two peanut butter and jelly sandwiches.
How much did each person spend? Paul _____ Todd _____ Eli _____
What was the total bill? _____

> Lunch tickets are $8.00 (good for 5 lunches)
>
> Milk tickets are $1.50 (good for 5 milks or juices)

15. Heather brings her bottled water from home, but she buys lunch. What will she pay for
10 lunches? _____ What will she pay for 20 lunches? _____

16. Mrs. Ochoa's fifth-grade class of 30 voted on their favorite season. If 40% voted for
summer, 50% voted for winter, and 10% voted for spring, how many people voted for
each season? _____

17. Rita saves $2,500 each year for her retirement. That amount currently represents 8% of
her total annual income. What is her annual income? _____

18. The Weather Bureau reported that the total rainfall for the first 7 months in Chicago was
30.93 inches. In August 1.02 inches, 2 inches, 1.6 inches, and 0.4 inch of rain fell on
four days. What was the total rainfall at the end of the first 8 months? _____

19. If Jack and Chip get 24 tries at the carnival ring toss for $4, how many can they get for
$1? _____

20. A grocery store has a sale on bananas. If you buy six bananas, you get the sale price.
If the grocer has 489 bananas, how many bunches of six can he sell at his sale price?
_____ In this case how many can be sold at the regular price? _____

21. Darcy worked 40 hours and earned $240. How much did she earn per hour? _____

22. Bruce had 280 pounds of big bolts. He put the same amount into each of 8 boxes.
How much will the bolts weigh in each box? _____

23. LaTonya worked 6 hours each on Monday, Wednesday, and Friday; she worked 10 hours each on Tuesday and Thursday. How many hours did she work altogether? _____
If she earns $7 an hour, how much money did she earn? _____

24. Which expression shows the total cost of 4 items at $7 each and 5 items at $6 each?
_____ What is the total cost? _____
  a. (4 + 5) x (6 + 7)   c. (7 x 5) – (6 x 4)
  b. (4 x $7) + (5 x $6)   d. (4 + 7) ÷ (5 + 6)

25. Which expression shows the total weight of two crates that weigh 25 pounds each, four crates that weigh 40 pounds each, and five crates that each weigh 30 pounds. _____
What is the total weight? _____

  a. 25 + 40 + 30   c. (25 x 4) + (40 x 30)
  b. (2 + 4 + 5) x (25 + 40 + 30)   d. (2 x 25) + (4 x 40) + (5 x 30)

26. A clock is set correctly at 1:00 P.M. It loses 3 minutes every hour. What will the clock read when the correct time is 10:00 P.M.? _____

27. Four boys work together painting houses for the summer. For each house they paint they get $256.00. If the boys work for 4 months of summer and their expenses are $152.00 per month, how many houses must they paint for each of them to have one thousand dollars at the end of the summer? _____

28. The peel of a banana weighs about $\frac{1}{8}$ of the total weight of the banana. This is a little heavier than the peel of most fruit. If you buy 3 kg of bananas in a wood basket at $0.60 per kg, about how much are you paying for the banana peel? _____ How much for the banana itself? (Round to the nearest cent.) _____

29. James bought a video game for $29.95. He bought a computer CD-ROM game for $19.95. Both games were on sale for 25% off the ticketed price. How much did James spend to buy the video game and CD-ROM? _____ How much did he save? _____

30. Laurel and Joey went shopping for a birthday gift for their parents. They decided to buy a picture frame that costs $22.50. Laurel paid for 60% of the gift, and Joey paid for 40% of the gift. How much did each person pay for the gift? _____