

p105(1-16)

Remember to estimate whenever you use your calculator.

Find the sale price to the nearest cent.

Item	Regular price	Discount rate	Sale price
Cassette recorder	\$25.99	30%	1. _
Turntable	\$178.50	25%	2. _
19" color TV	\$339.99	20%	3. _
4-head VCR	\$399.50	33%	4. _
Digital receiver	\$429.50	- 15%	5. _

Find the discount rate to the nearest percent.

Item	Regular price	Sale price	Discount rate
Video-cassette tape	\$3.99	\$3.29	6. _
B/W TV	\$79.99	\$59.99	7. _
Stereo cabinet	\$69.90	\$55.00	8. _
AM/FM car stereo	\$89.99	\$79.99	9. _
Large-screen TV	\$1,299.00	\$949.99	10. _

Find the retail price to the nearest cent.

Item	Wholesale price	Markup rate	Retail price
Compact-disc player	\$75.00	80%	11. _
VCR	\$129.95	50%	12. _
Video camera	\$760.00	45%	13. _
Color TV	\$249.99	24%	14. _

Solve.

15. A stereo regularly sells for \$229.00. The regular discount is 10%. During a sale, it is reduced an additional 25%. What is the final price?

16. A store buys a VCR for \$120. It marks the item up 60% and then sells it at a 10% discount. What is the final retail price?

## p107(1-28)

### Casual Coordinates 25% off

Jacquard Sweaters

Reg. \$17.99

Now: \$13.49

Print Shirts

Reg. \$13.99

Now: \$10.49

Corduroy Skirts

Reg. \$15.99

Now: \$11.99

Corduroy Pants

Reg. \$16.99

Now: \$12.74

Use the ad to complete the table, excluding sales tax.

Purchase made	Estimated cost	Exact cost	Amount given	Change
2 Sweaters	1. _	2. _	\$30.00	3. _
1 Shirt and 1 skirt	4. _	5. _	\$25.00	6. _
2 Shirts and 2 pants	7. _	8. _	\$50.00	9. _
2 Skirts and 1 sweater	10. _	11. _	\$50.00	12. _
3 Pants and 2 sweaters	13. _	14. _	\$100.00	15. _

Use the ad above to solve.

16. Ed bought 1 pair of pants. How much was saved by buying them on sale?

17. Joan bought 2 sweaters. How much was saved by buying them on sale?

	Tee Shirts	Shorts	Bathing Suits
<b>Summer suie</b>	\$9.99	\$15.99	\$24.95
<b>Regular price</b>	\$12	\$22	\$35

Use the Summer Sale ad to complete the table

Purchase made	Regular price	Sale price	Amount saved
1 Shirt and 1 shorts	18. _	19. _	20. _
3 Bathing suits	21. _	22. _	23. _
2 Shirts and 1 bathing suit	24. _	25. _	26. _
3 Shorts and 2 bathing suits	27. _	28. _	29. _

**p109(1-28)**

Remember to estimate whenever you use your calculator.

Use the partial sales tax table on page 108 to find the 7 1/2% sales tax on the purchase price.

1. \$2.22
2. \$18.32
3. \$10.85
4. \$17.75
5. \$1.95
6. \$19.10

Find the sales tax to the nearest cent.

Purchase price	Sales tax rate	Sales tax	Purchase price	Sales tax rate	Sales tax
\$23.50	4%	7. _	\$165.95	2 1/2%	10. _
\$98.99	5%	8. _	\$46.85	5 1/2%	11. _
\$375.00	6%	9. _	\$3,575.00	8 1/4%	12. _

Complete the table to find the estimated sales tax and exact sales tax. Round each amount to the nearest cent.

Purchase price	Sales tax rate	Estimated sales tax	Exact sales tax
\$21.30	3%	13. _	14. _
\$31.80	4%	15. _	16. _
\$80.98	5%	17. _	18. _

Complete the table to find the sales tax and total cost. Round each amount to the nearest cent.

Purchase price	Sales tax rate	Sales tax	Total cost
\$17.50	5%	19. _	20. _
\$85.99	4 1/2%	21. _	22. _
\$257.00	6%	23. _	24. _
\$4,786.50	8 1/2%	25. _	26. _
\$10,612.75	7 1/4%	27. _	28. _

p111(1-12)

Find your Zone at right ►	<b>DELIVERY CHARGES</b>			
Shipping Weight ▼	Zone 1	Zone 2	Zone 3	Zone 4
Minimum charge	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
2 lb 1 oz to 5 lb	5.25	5.50	6.00	6.50
5 lb 1 oz to 10 lb	7.00	7.50	8.25	9.00
10 lb 1 oz to 15 lb	8.75	9.50	10.25	11.50
15 lb 1 oz to 20 lb	10.00	10.75	12.00	14.75
20 lb 1 oz to 25 lb	11.50	12.50	13.75	16.50

### PRACTICE EXERCISES

Remember to estimate whenever you use your calculator.

Use the partial delivery charges table on page 110 to find the delivery charge for the order.

1. 6 lb 4 oz to Zone 2
2. 22 lb to Zone 4
3. 1 lb 15 oz to Zone 2

Use the catalog information on page 110 to find the total cost to Zone 1.

4. 1 pair of boots
5. 1 pair of stirrup pants
6. 2 toggle coats

Use the catalog information at the right and the delivery charges table on page 110 to complete an order form for the order. Then find the total cost.

7. 1 large blue-denim jacket to Zone 3
8. Size 31 pleated cords, 1 pair gray and 1 pair blue, to Zone 2
9. 1 medium navy sweater and 2 large blue oxford shirts to Zone 4
10. 1 small blue-denim jacket, 2 size 29 black pleated cords, and 2 small green sweaters to Zone 1

Solve. Remember to include the delivery charge, the handling charge, and the sales tax.

11. How much is saved by ordering a denim jacket at the sale price?
12. How much is saved by buying a pair of pleated cords in a store with a 5% sales tax instead of ordering them from the catalog to Zone 4?

# p113(1-20)

Estimate to determine whether the labeled price *does* or *does not* make sense.

1. 2 lb of apples at 89¢ per lb \$1.78
2. 3.4 lb of hamburger at \$1.49 per lb \$3.29
3. 0.76 lb of salami at \$2.79 per lb \$2.69
4. a 10.6-lb turkey at 89¢ per lb \$9.43
5. 1.24 lb of cole slaw at 49¢ per lb 89¢
6. a 3.89-lb steak at \$2.79 per lb \$10.85

Find the unit prices to the nearest tenth of a cent. Identify which is the better buy.

- |                  |                      |                       |                        |
|------------------|----------------------|-----------------------|------------------------|
| 7. 6 oz for 49¢  | 10. 20 oz for \$1.79 | 13. 15 oz for \$2.69  | 16. 1.75 lb for \$3.79 |
| 10 oz for 69¢    | 32 oz for \$2.99     | 1 lb 9 oz for \$4.29  | 2.5 lb for \$4.99      |
| 8. 9 oz for 89¢  | 11. 24 oz for \$2.69 | 14. 24 oz for \$1.59  | 17. 1 L for \$1.19     |
| 14 oz for \$1.49 | 35 oz for \$3.49     | 2 lb 5 oz for \$2.39  | 2.5 L for \$2.49       |
| 9. 5 oz for 75¢  | 12. 12 oz for \$3.36 | 15. 6.5 lb for \$5.85 | 18. 0.5 L for 79¢      |
| 10 oz for \$1.25 | 18 oz for \$4.70     | 10 lb for \$8.75      | 2 L for \$2.79         |

Find the total cost of the shopping list.

19.

2 cans tomato sauce at 39¢ each  
 4 lb hamburger at \$1.59 per lb  
 2.3 lb grapes at \$1.19 per lb  
 1 box muffins at \$1.79  
 1 can coffee at \$3.89

\*\*\*

You have a "50¢ off" coupon on the coffee during a double-coupon sale.

\*\*\*

20.

1 box detergent at \$3.89  
 2 boxes cereal at \$3.19 each  
 5 cans beans at 2 for 89¢  
 1.45 lb sliced ham at \$ 2.79 per lb  
 3 cans tuna at \$1.09 each

\*\*\*

You have a "25¢ off" coupon on the cereal and a "50¢ off" coupon on the detergent during a double-coupon sale.

**p115(1-16)****sandwiches**

Tuna \$2.75  
 Roast Beef 3.75  
 Ham 3.45  
 Egg Salad 2.50  
 Steak 3.95

**specials**

Tuna Sandwich  
 Special \$4.20  
 (includes potatoes, medium juice)  
 Steak Sandwich  
 Special 4.90  
 (includes salad or cole slaw, medium juice)

**side orders**

Potatoes \$ .95  
 Onions 1.25  
 Salad .65  
Cole Slaw .75

**beverages**

Juice.....small .50  
 medium .70 large .90  
 Milk .60 Coffee .45  
 Tea .45

Use the Country Sandwich Shop menu to estimate whether the meal should cost *more than* \$5.00 or *less than* \$5.00.

1. Tuna sandwich, coffee
2. Steak sandwich, onions, milk
3. Tuna Sandwich Special, tea
4. Steak Sandwich Special, small juice
5. Ham sandwich, cole slaw, coffee
6. Egg salad sandwich, potatoes, milk

Use the menu to compute the cost of the meal, including a 6% sales tax and a 15% tip. Then find the amount of change from \$20.

7. Roast beef sandwich  
 Salad  
 Large juice
8. Ham sandwich  
 Potatoes  
 Coffee
9. 2 Tuna sandwiches  
 Onions  
 2 Medium juices

10. Ham sandwich  
 Roast beef sandwich  
 2 Cole slaws  
 2 Coffees
11. Tuna Sandwich Special  
 2 Egg salad sandwiches  
 1 Milk  
 2 Medium juices
12. 2 Steak Sandwich Specials  
 2 Salads  
 2 Large juices

Solve.

13. A meal costs \$21.50. The sales tax rate is 8%. Find the sales tax.  
 Mentally compute a 16% tip.
14. A meal costs \$28.00. The 16% tip is \$4.48. Mentally compute the 8% sales tax.
15. A complete lunch consists of 1 sandwich, 1 side order, and 1 beverage. What is the difference between the cost of the most expensive lunch and the least expensive lunch?
16. Suppose a family of 4 eats lunch at the Country Sandwich Shop. Make up an order that comes close to \$20.00, including a 5% sales tax and a 15% tip.

## p117(1-22)

Chicken	4 pieces of chicken \$3.60	Time: 50 min
dinner	Salad ingredients \$2.00	Hot very
at home:	(serves two)	convenient
	1 package potatoes \$1.59	
	Rolls \$0.40	
Juice \$0.40		
	(two glasses)	

Chicken	4 pieces of chicken \$2.00 each	Time: 10 min
dinner from	Salads \$1.50 each	Very convenient
Barney's	Potatoes \$0.90 per order	
Take-Out:	Rolls Included	Juice \$0.75 per person

Chicken	Complete dinner \$9.95 each	Time: 35 min
dinner at	(includes chicken,	Convenient
the Capital	salad, potatoes,	
Diner:	roll)	
	Juice \$1.00 per glass	
	Tip 15%	

Compare the 3 options by completing the table.

Factor	Home	Barney's Take-Out	Capital Diner
<b>Cost for two: Chicken</b>	1. _	2. _	Included
<b>Salad</b>	3. _	\$3.00	4. _
<b>Potatoes</b>	\$1.59	5. _	6. _
<b>Rolls</b>	7. _	Included	8. _
<b>Juice</b>	9. _	10. _	\$2.00
<b>Total cost</b>	11. _	\$14.30	12. _
<b>Time</b>	50 min	13. _	14. _
<b>Convenience</b>	15. _	16. _	Average

Where should Les and Wanda get their dinner:

17. If cost were the only factor? 18. If time were the only factor?

19. If convenience were the only factor?

20. How much can Les and Wanda save by eating at home instead of using Barney's Take-Out?

21. If they have been using Barney's Take-Out an average of twice a week, how much could they save in a year by preparing dinner at home?

22. How much could Les and Wanda save by preparing dinner at home instead of going to the Capital Diner?

p118(1-14)

**CHAPTER REVIEW**

1. The sale price of an item is found by subtracting the \_ from the regular price. [104]  
a. Sales tax b. Markup c. Discount.
2. To determine which package of food is the better buy, compare the \_. [112]  
a. Package prices b. Unit prices c. Package sizes
3. To find the total cost of a meal in a restaurant, include the sales tax and the \_. [114]  
a. Tip b. Markup c. Coupon value  
Skills Find the answer.
4. A knit shirt that regularly sells for \$11.99 is now on sale at 10% off. What is the sale price?  
[104]
5. A ski sweater that regularly sells for \$58.00 is now on sale at 20% off. What is the sale price?  
[104]
6. A cardigan sweater that regularly sells for \$35.00 is now on sale for \$32.50. How much can be saved by buying 2 sweaters on sale? [106]
7. Lana bought a \$300 television set. The sales tax rate is 6%. What was the total cost? [108]
8. Fred bought a \$25 book. The sales tax rate is tax rate is  $7\frac{1}{2}\%$ . What was the total cost?  
[108]
9. Karen bought a cassette player for \$75.50. The sales tax rate is  $5\frac{1}{2}\%$ . What was the total cost? [108]
10. A chefs-salad lunch special is \$4.50. Including a 5% sales tax and a 15% tip, what is the total cost? [114]
11. A tuna-sandwich lunch special is \$3.75. Including a  $7\frac{1}{2}\%$  sales tax and a 15% tip, what is the total cost? [114]  
Find the sales tax to the nearest cent. Then find the total amount. [110]
12. Merchandise: \$50.00  
Delivery and handling: \$4.10  
Sales tax rate: 6%
13. Merchandise: \$150.00  
Delivery and handling: \$16.25  
Sales tax rate:  $5\frac{1}{2}\%$   
Which is the better buy? [112]
14. 3 oz for 95¢ or 8 oz for \$2.40
15. 1.56 lb for \$1.34 or 3 lb for \$2.64



**p119(1-20)**

Find the discount to the nearest cent. Then find the sale price.

1. Regular price: \$12.59  
Discount rate: 10%

2. Regular price: \$400  
Discount rate: 30%

3. Regular price: \$179.89  
Discount rate: 25%

Find the markup to the nearest cent. Then find the retail price.

4. Wholesale price: \$50  
Markup rate: 75%

5. Wholesale price: \$125.50  
Markup rate: 30%

6. Wholesale price: \$360.99  
Markup rate: 50%

Use the ad to answer Exercises 7-11.

7. Sal bought 2 clock radios on sale. How much change did he get from \$75?  
How much can be saved with the sale?

8. Digital clock radio 9. Jeans jacket  
Find the discount rate to the nearest percent.

10. Digital clock radio 11. Jeans jacket  
Find the sales tax to the nearest cent. Then find the total amount.

Find the sales tax to the nearest cent. Then find the total amount.

12. Merchandise: \$100.00  
Delivery and handling: \$8.50  
Sales tax rate: 5%

13. Merchandise: \$75.89  
Delivery and handling: \$6.25  
Sales tax rate: 7 1/2%

Find the unit prices. Then determine which is the better buy.

14. 4 oz for 39¢  
7 oz for 67¢

15. 10 oz for 79¢  
15 oz for \$1.17

16. 1.2 lb for \$2.50  
3 lb for \$6.03

Solve

17. Turkey is on sale for \$1.49 per lb. One package is labeled 2.79 lb and marked \$5.40. Does this make sense?  
18. You buy bread for \$1.19 and 1.5 lb of fruit for 39¢ per lb and use a "20¢ off" coupon. What is the total cost?

Use the menu to find the cost of the meal, including a 5% sales tax and a 15% tip. Round all amounts to the nearest cent.

19. 1 Egg salad  
1 Tuna  
2 Salads  
20. 2 Ham and cheese  
2 Tuna  
3 Potatoes

**THE SANDWICH SHOPPE****SANDWICHES****SIDE ORDERS**

Egg salad	\$1.95	Salad	\$0.90
Tuna	2.25	Potatoes	0.85
Ham and cheese	3.10	Coleslaw	0.65

**BEVERAGES**

Milk 0.75	Juice 0.50	Soda 0.80
-----------	------------	-----------