

p85(1-12)

	Theater A	Theater B	Theater C
Adults	\$6.25	\$7.25	\$5.75
Students (over 12)	\$4.75	\$3.75	\$5.75
Students (12 and under)	\$3.50	\$3.75	\$4.25
Children (under 5)	\$2.00	FREE	\$1.25

Jones family: 2 adults, 1 student over 12, 1 student 12 or under, 1 child under 5

1. How much would it cost for the Jones family to go to Theater A? How much change would they get from \$25?

2. How much would it cost for the Jones family to go to Theater B? How much change would they get from \$30?

3. How much would it cost for the Jones family to go to Theater C? How much change would they get from \$40?

Wong family: 1 adult, 3 students over 12, 1 child under 5

4. How much would it cost for the Wong family to go to Theater A? How much change would they get from \$40?

5. How much would it cost for the Wong family to go to Theater B? How much change would they get from \$30?

6. How much would it cost for the Wong family to go to Theater C? How much change would they get from \$25?

Solve.

7. Tickets to the school play cost \$7. How much will it cost for 8 people to go?

9. Sondra bought 6 tickets to a concert. Tickets cost \$13.75 each. How much did she pay? How much change did she get from \$100?

11. Lorraine wants to buy 11 tickets to an ice-skating exhibition. Tickets cost \$9.85 each. She plans to buy them from a ticket broker who charges \$2.50 extra for each ticket. She has \$88. How much more does she need?

8. Tickets to the laser-light show cost \$9.50. How much will it cost for 6 people to go?

10. The Planetarium sells tickets in books of 12. Each ticket costs \$4.35. How much did Ray spend for a book of tickets? How much change did he get from \$60?

12. The regular price of a theater ticket is \$19.80. Ann has **twofer coupons**. Each one lets her buy 2 tickets for the price of 1. How much would 9 tickets cost if Ann uses her twofer coupons?

p87(1-9)**SAFARI PARK TICKETS**

Tilt Slide \$1.75
 Looper \$2.50
 Water Trough \$1.75
 Coaster-to-Coaster \$3.50
 Giant Swing \$2.25
 Puddle Jumper \$2.75
 Merry-Go-Round \$1.25

Use the Safari Park ticket prices. You can ride all the Safari Park rides as many times as you wish for \$18.50. Find the total cost of the given ride tickets. Decide if you should pay for each ride separately or pay the \$18.50.

1. 2 Tilt Slides
 3 Water Troughs
 1 Coaster
 4 Merry-Go-Rounds
2. 3 Coasters
 2 Jumpers
 3 Swings

3. You have \$15. How many times could you ride the Puddle Jumper?
4. You have \$14. How many times could you ride the Tilt Slide?

TICKET PRICES

Bleachers \$4.35
 Grandstand \$6.25
 Reserved Seat \$8.75
 Box Seat \$10.50
 Tax included.

Use the baseball ticket prices on page 86. Find the total cost of the given tickets and the amount of change.

5. 1 Bleacher
 2 Grandstands
 2 Box Seats
 Change from \$50?
6. 3 Bleachers
 2 Reserved Seats
 1 Box Seat

Change from \$45?

7. 2 Grandstands
 2 Reserved Seats
 1 Box Seat
 Change from \$60?

Solve by computing mentally.

8. You bought 7 baseball tickets for \$6.95 each. How much change did you get from \$50?
9. You want to buy 6 soccer tickets for \$8.75 each. You have \$50. How much more money do you need?

p89(1-10)

Find the total cost of the purchases.

1. *Hobby: Stamp collecting*

Stamps: \$7.20

Tweezers: \$1.29

Display book: \$12.95

2. *Hobby: Painting*

Canvas: \$6.00

Brushes: \$7.50

Paints: \$21.85

3. *Hobby: Sewing*

Pattern: \$4.45

Fabric: \$18.70

Thread: \$1.69

Zipper: \$2.89

4. Juan has \$18.00 to spend on stamp packets that sell for \$1.85 each. How many packets can he buy? How much change will he get?

5. Debra has \$21.00 to spend on clay that costs \$3.75 per lb. How many pounds can she buy? How much change will she get?

6. Michael belongs to a book club. He orders 4 special books for \$0.99 each and spends an additional \$32.50 for other books. The shipping and handling costs are \$15.25. What is the total cost of his order?

7. Lois wants to buy 4 packets of stamps that cost \$2.85 each, 1 stamp that costs \$2.89, and a stamp catalog that costs \$15.95. She has \$24.35. How much more money does she need?

1/4-in. dowel \$0.49

1/2-in. dowel \$1.89

1 bag balsa wood \$2.95

1 jar paste \$0.75

1 bottle paint \$1.05

1 paint brush \$0.59

1 pkg. decals \$1.50

Prices Include tax.

8. 1 1/2-in. dowel

3 bags balsa wood

1 bottle paint

2 pkgs. decals

Change from \$15?

9. 5 1/4-in. dowels

1 1/2-in. dowel

3 jars paste

2 bottles paint

Change from \$10?

10. 3 bags balsa wood

1 1/2-in. dowel

3 bottles paint

4 paint brushes

Change from \$20?

p91(1-13)

Complete the table to find the total cost of the sports activity.

Sports activity	Equipment cost	Use fees	Round-trip transportation cost	Total cost
Ice-skating	\$59.50	1. 10 visits at \$3.50/visit = _	\$0.85	2. _
Tennis	\$83.95	3. \$45 membership + 25 h at \$9.50/h = _	\$0.00	4. _
Swimming	\$28.95	5. \$35 membership + 18 visits at \$4.50/visit = _	\$1.35	6. _
Racquetball	\$76.85	7. \$75 membership + 30 h at \$6.50/h = _	8. 25 trips at \$0.90/trip = _	9. _
Bowling	\$48.79	10. 39 games at \$2.75/game = _	11. 14 trips at \$2.60/trip = _	12. _

Solve.

13. Julio goes ice-skating. He can either rent or buy skates. Skates sell for \$45.90 and rent for \$1.75 per h. Each week, Julio skates for about 28 h. Is it less expensive for him to rent or to buy skates?

p93(1-14)

Find the cost per visit to the nearest cent. Then find the cost per visit including the transportation cost.

Health club	Membershi p fee	Expected number of visits	Cost per visit	Transportation cost per visit	Cost per visit including transportation
USA Health	\$233/y	98/y	1. _	\$1.80	2. _
Slim Studio	\$9.50/wk	4/wk	3. _	\$0.90	4. _
Aerobics Unlimited	\$19/mo	11/mo	5. _	\$2.80	6. _
The Fitness Center	\$462 for 3 y	63/y	7. _	\$0.00	8. _
Health City	\$193 for 6 mo	3/mo	9. _	\$3.15	10. _

11. Judo

\$210 for 15 wk (30 classes)

\$340 for 26 wk (52 classes)

12. Jazz Dance Workout

\$98 for 5 wk (15 classes)

\$125 for 8 wk (24 classes)

13. Weight Training

\$340 for 24 wk (72 classes)

\$600 for 48 wk (144 classes)

14. Floor Exercises

\$220 for 12 wk (36 classes)

\$420 for 25 wk (100 classes)

p95(1-10)

Write the letter of the correct answer.

1. Each weight-lifting class can hold a maximum of 8 students. If 38 students want to register, how many students will be in the last, or smallest, class?

- a. Use only the quotient.
 - b. Use only the remainder.
 - c. Raise the quotient by 1.
2. How many advanced exercise classes can be formed from 52 students if exactly 12 students can be in each class?
- a. Use only the quotient.
 - b. Use only the remainder.
 - c. Raise the quotient by 1.

The Brookdale Fitness club gives each student a tee shirt to wear during classes. Dan packed 12 tee shirts in each carton. He had 285 tee shirts to pack.

- 3. How many cartons did Dan fill?
- 4. How many tee shirts did he put in the last partially filled carton?
- 5. How many cartons did Dan use to pack 285 tee shirts?
- 6. What fraction of the last carton was filled?

[Image: A man.]

Solve by interpreting a remainder.

- 7. Sample classes are held during registration week. Each sample class costs \$3. Tim has \$10 to spend on sample classes. How many classes can he attend?
- 8. There are 78 floor mats in a shipment that arrived at the club. Each exercise room fits 8 mats. After fitting 9 rooms, what fraction of the 10th room can be fitted with mats?
- 9. One towel is needed for each of the 185 new students at the club. If a package contains 12 towels, how many packages are needed?
- 10. The 40 students in a calisthenics class were divided into groups of 4 pairs for a floor exercise. How many groups were set up?

Tennis

The equipment costs about \$90.

I'll have to pay \$5.00 per h to play outside and \$ 16.00 per h to play inside.

I'll need to travel about 15 min to the tennis courts at a cost of about \$ 1.25 for a round trip. Of the 4 sports, tennis ranks 3rd in the amount of exercise I'll get.

Racquetball

The equipment costs about \$45.

I'll have to pay \$ 18 per h to play.

The indoor racquetball courts are a short walk from my home.

Racquetball ranks 1st in the amount of exercise I'll get.

Skiing

The equipment costs about \$275.

I'll have to pay \$35 for a lift ticket every day I ski.

I will probably want to ski about 5 h each day.

It takes me about 2 h to get to the ski slopes at a cost of about \$7.50 for a round trip.

Skiing ranks between tennis and racquetball in the amount of exercise I'll get.

Bowling

The equipment costs about \$55.

I'll have to pay \$2.75 for each game I play.

I can bowl about 3 games per h for 2 h.

It takes me about 1 h to get to the bowling alley at a round trip cost of \$3.00.

Bowling trails well behind tennis in the amount of exercise I'll get.

p97(1-24)

Compare the 4 sports, based on 40 h of participation, by completing the table. Remember to include equipment cost in the cost per hour.

Factor	Tennis	Racquetball	Skiing	Bowling
Indoor or outdoor	Both	1. _	2. _	3. _
Cost per hour	\$7.25 outdoor \$18.25 indoor	4. _	5. _	6. _
Round-trip travel time	7. _	Few min	8. _	9. _
Travel cost	10. _	11. _	12. _	\$60.00
Amount of exercise	13. _	14. _	Ranks 2nd	15. _

Which sport would Derek choose if:

16. He wanted to play indoors and outdoors?

17. Cost per hour were the only factor?

18. Being close to home were the only factor?

20. If Derek did not want to spend more than \$12 per h, which sports would he eliminate?

22. If Derek wanted to exert himself as little as possible, which sport would he choose?

19. Travel costs were the only factor?

21. If Derek wanted the sport that would give him the most exercise, which sport would he choose?

23. If Derek decided against racquet sports, which sports could he eliminate?

24. Which one of these sports would you choose? Name at least 3 reasons why.

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p98(1-13)

CHAPTER REVIEW

1. If you want to pay only 1 price to go on all of the rides in an amusement park, you can buy __. [86]

- a. An all-day pass
- b. Individual tickets
- c. A season pass

2. Amusement parks often charge large groups of people a __. [86]

- a. Season pass
- b. Use fee
- c. Group rate

3. Membership fees and costs for a sports activity are called __. [90]

- a. Equipment costs
- b. Use fees
- c. Transportation costs

Skills Find the answer.

4. Use the movie-price list on page 84. An adult, two 14-year-olds, and a 3-year-old went to the movies. What was the total cost? [84]

5. You and 3 friends went to a concert. Each ticket cost \$23.50, including tax. What was the total cost? [84]

6. Use the Future Land Park ticket prices on page 86. Ana wants to go twice on each of the rides. How much would she save by buying an all-day pass? [86]

7. Use the baseball-ticket prices on page 86. Robert bought 2 Box Seat tickets, 2 Grandstand tickets, and 2 Bleachers tickets. How much money did he have left from \$50? [86]

8. Tony bought stamps for \$5.50, a display book for \$9.99, and tweezers for \$0.89. How much did Tony spend? [88]

9. Anita's hobby is photography. She bought a camera for \$75.59, film for \$7.20, and a camera case for \$21.10. How much did Anita spend? [88]

10. Lisa went bowling and spent \$2.75 a game for 13 games. She spent \$4.75 on shoe rental and \$4.70 on transportation. How much did Lisa spend? [90]

11. Ron joined a racquetball club for \$55 and played for 28 h at \$7.75 per h. The equipment cost \$32, and Ron paid \$13 for transportation. How much did Ron spend? [90]

12. Fran joined a health club for \$144 per y. She expects to visit the club 7 times per mo. What is the cost per visit? [92]

13. A 10-class karate course costs \$65. The 25-class course costs \$149. How much can you save per class by signing up for 25 classes? [92]