**PRACTICE** ♦ Health Clubs and Fitness Classes                    ( 5.5 )

Find the cost per visit to the nearest cent. Then find the total cost per visit (including the transportation cost). Remember to estimate whenever you use your calculator.

| Health club | Membership fee | Expected number of visits | Cost per visit | Transportation cost per visit | Total cost per visit |
|---|---|---|---|---|---|
| ABC Health | $320/y | 85/y | 1. _____ | $0.85 | 2. _____ |
| Fitness Now | $10.50/wk | 5/wk | 3. _____ | $1.50 | 4. _____ |
| The Thinners | $22/mo | 10/mo | 5. _____ | $2.60 | 6. _____ |
| Center for Fitness | $295 for 2 y | 50 for y | 7. _____ | $2.25 | 8. _____ |
| Health Studio | $175 for 3 mo | 8 per mo | 9. _____ | $0.00 | 10. _____ |
| Aerobics for All | $250 for 6 mo | 4 per mo | 11. _____ | $2.80 | 12. _____ |
| Happy Health | $135/y | 64 per y | 13. _____ | $3.20 | 14. _____ |

Find how much can be saved, to the nearest cent, by signing up for the longer-term class.

**15. Swimming Lessons**
$95 for 5 wk (15 classes)
$120 for 8 wk (24 classes)

_____

**16. Swim Aerobics**
$225 for 15 wk (30 classes)
$350 for 28 wk (54 classes)

_____

**17. Jazz Dance Lessons**
$230 for 12 wk (36 classes)
$450 for 25 wk (98 classes)

_____

**18. Judo**
$580 for 20 wk (80 classes)
$995 for 40 wk (160 classes)

_____

**19. Weight Training**
$625 for 24 wk (72 classes)
$1,050 for 48 wk (144 classes)

_____

**20. Floor Exercises**
$315 for 16 wk (32 classes)
$550 for 32 wk (64 classes)

_____

**21. Tap Dance Lessons**
$200 for 4 wk (8 classes)
$450 for 10 wk (20 classes)

_____

**22. Stretch and Flex Exercises**
$192 for 8 wk (16 classes)
$240 for 12 wk (24 classes)

_____

Name _____ Date _____

Circle the letter of the correct answer.

1.  How many swimming classes can be formed from 50 students if exactly 8 students can be in each class?
    a.  Use only the quotient.
    b.  Use only the remainder.
    c.  Raise the quotient by 1.

2.  Each aerobics class can hold a maximum of 25 students. If 62 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.

3.  Each judo class can have a maximum of 12 students. If 145 people have registered, how many classes will be needed to hold all 145 students?
    a.  Use only the quotient.
    b.  Use only the remainder.
    c.  Raise the quotient by 1.

4.  Each calisthenics class can hold a maximum of 10 students. If 112 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.

The Fitness Now health club provides towels for the members. Esther packed 25 towels in each box. She had 370 towels to pack.

5.  How many boxes did Esther fill? _____

6.  How many towels did she put in the last, partially filled box? _____

7.  What fraction of the last box was filled? _____

Frank puts running shorts in boxes. He packs 15 shorts in each box. He has 125 shorts to pack.

8.  How many boxes does Frank fill? _____

9.  How many shorts does he put in the last, partially filled box? _____

10. What fraction of the last box was filled? _____

Solve by interpreting a remainder.

11. Sandra is trying out the dance aerobics class. Each class costs $8. Sandra has $30 to spend on the classes. How many classes can she take? _____

12. The club bought 250 sweatpants to sell to the members. The pants were packed in boxes of 12. How many pants were in the last, partially filled box? _____

13. The club is giving away tee shirts to the members. There are 456 members. Each box contains 25 tee shirts. How many boxes are needed? _____

14. Gary packed new sweatshirts in boxes of 20. He had 145 shirts to pack. What fraction of the last, partially filled box was filled? _____

15. The club director ordered new shampoo for the showers. The bottles came in cartons of 18 bottles. If she wants to buy 50 bottles, how many cartons does she need to buy? _____

16. The dance aerobics class can have a maximum of 15 students. If 86 people want to take these classes, how many students will be in the last, partially filled class? _____