

**EXTRA PRACTICE 20**  
**Solving Problems with Decimal Notation**  
**Use after Section 4.7**

Name \_\_\_\_\_

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Solve. (Be careful! Some problems have numbers included which will not be used in find the solution.)

1. A checking account balance shows \$652.35. Check number 387 is written to buy 4 tires at \$29.99 each, plus tax of \$6.30. What is the new balance? \_\_\_\_\_
2. A checker board is 506.25 square inches. How many square inches is each of the 64 squares? Round to the nearest tenth. \_\_\_\_\_
3. A driver bought 15.3 gallons of gasoline when the odometer read 25623.4. She bought 10.8 gallons of gasoline when the odometer read 25856.8. How many miles were driven?  
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4. When filling the gasoline tank a driver noted that the odometer read 43561.2. The next time he bought gasoline, the tank took 12.7 gallons, and the odometer read 43755.5. How many miles per gallon did the car average? Round to the nearest tenth. \_\_\_\_\_
5. A seamstress needs 1.4 meters of cloth for a blouse, 2.5 meters for a skirt, and 2.2 meters for a jacket. She has 6.3 meters of cloth. Is this enough? How much more will be needed, or how much will be left over? \_\_\_\_\_
6. Marcy spent \$1.49 for a hamburger, 89¢ for a milkshake, and 33¢ for a pickle. Belinda spent \$1.99 for a chicken sandwich and 79¢ for a cherry pie. Who spent more for lunch? How much more? \_\_\_\_\_
7. In a driving test, Car #1 had an average stopping distance of 123.60 ft (going from 50 mph to a complete stop). Car #2 had an average stopping distance of 124.20 ft. How many more feet did Car #2 need to stop? \_\_\_\_\_
8. A textbook costs \$22.95. How many can be bought for \$1000? Each book has 368 pages.  
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9. An 8-inch computer disk costing \$4.25 holds 1.25 megabytes. How many megabytes do 6 disks have? \_\_\_\_\_
10. The length of a bacterium is 0.00003 cm. How many of this bacterium will fit length-to-length across a tooth that is 0.75 cm wide? \_\_\_\_\_