

# Decimal Review

For Exercises 1-6, estimate each product or quotient.

1.  $6.2 \times 9.1$  1. \_\_\_\_\_
2.  $12.4 \times 2.8$  2. \_\_\_\_\_
3.  $25.2 \div 7.8$  3. \_\_\_\_\_
4.  $9.3 \overline{)62.1}$  4. \_\_\_\_\_
5. A car can travel 24.8 miles for every 1 gallon of gasoline. Estimate the number of miles the car can travel on 9.5 gallons. 5. \_\_\_\_\_
6. A roll of wire has 43 inches of wire. If each bracelet requires 6.8 inches of wire, estimate the number of bracelets that can be made. Explain why your estimate is reasonable. 6. \_\_\_\_\_
7. Jackson ran 3.6 miles a day. How many miles did he run in 4 days? 7. \_\_\_\_\_
8. A boxed lunch costs \$7.01. How much would 9 boxed lunches cost? 8. \_\_\_\_\_
9. A flower bed is 0.5 meter wide and 2.7 meters long. What is the area? (*Hint: Use  $A = lw$ .*) 9. \_\_\_\_\_
10. A ball rolls 5.24 feet each second. How far will it roll in 1.8 seconds? 10. \_\_\_\_\_
11. The prices for recycling aluminum and copper are shown in the table. What is the total price of 2.5 pounds of aluminum and 3 pounds of copper? 11. \_\_\_\_\_

Item	Price (\$/lb)
aluminum	0.46
copper	1.08

Find each product or quotient.

12.  $0.21 \times 10$  12. \_\_\_\_\_
13.  $45.35 \div 10,000$  13. \_\_\_\_\_
14.  $6.02 \times 0.1$  14. \_\_\_\_\_
15.  $9.4 \div 0.01$  15. \_\_\_\_\_
16. What is the next term in the pattern 3.1, 6.2, 9.3, 12.4, ...? 16. \_\_\_\_\_
17. A disposable camera costs \$6.95. A party planner wants to buy 100 cameras for an upcoming event. How much will they cost? 17. \_\_\_\_\_

# Decimal Review

18. Alisha earned \$5.50 mowing the lawn and \$5.50 raking the leaves. How much total money did she earn?

18. \_\_\_\_\_

19. Jacob had \$4.30 and spent \$2.90 on snacks. How much did he have left?

19. \_\_\_\_\_

**Divide.**

20.  $0.2 \overline{)6.2}$

20. \_\_\_\_\_

21.  $38.07 \div 9.4$

21. \_\_\_\_\_

22.  $50.43 \div 6.15$

22. \_\_\_\_\_

23.  $77.5 \div 2.5$

23. \_\_\_\_\_

24.  $33.33 \div 6.6$

24. \_\_\_\_\_

25. The cost of an online movie rental service is \$89.94 for 6 months. What is the cost per month?

25. \_\_\_\_\_

26. If 4 people are going to share 14.8 ounces of cheese, how much will each person get?

26. \_\_\_\_\_

27. The three-toed sloth can travel faster in the trees than on the ground, as shown in the table. If a sloth traveled for 2.5 hours, how much farther could it go in the trees than on the ground?

27. \_\_\_\_\_

Location	Average Speed (mi/h)
On ground	0.08
In trees	0.17

28. A new workout facility needs 925 rubber floor tiles. If the total cost for the rubber floor tiles is \$5,550, how much does one floor tile cost?

28. \_\_\_\_\_

29. A large cake from a bakery will serve 60 people. If there are 832 people expected at a reception, how many cakes are needed? Explain your reasoning.

29. \_\_\_\_\_

30. Movie tickets cost \$9.95 for adults and \$6.75 for students. The Ryder family buys 2 adult tickets, 3 student tickets, and then popcorn and drinks for \$26. What is the total amount that they spend?

30. \_\_\_\_\_