

~~REVISION~~

Decimal Review

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

1. 6.2×9.1 1. _____
2. 12.4×2.8 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. 0.21×10 12. _____
13. $45.35 \div 10,000$ 13. _____
14. 6.02×0.1 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. _____

~~FOOTNOTES~~

(continued)

Decimal Review

SCORE _____

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. _____

Copyright © The McGraw-Hill Companies, Inc. Permission is granted to reproduce for classroom use.