

LESSON
3-7 **Practice A**
Dividing by Decimals

Find each quotient.

1. $2.4 \div 0.4$

2. $1.4 \div 0.2$

3. $4.8 \div 0.6$

4. $8.1 \div 0.9$

5. $1.8 \div 0.3$

6. $6.4 \div 0.8$

7. $3.3 \div 0.3$

8. $2.6 \div 1.3$

9. $7.2 \div 1.2$

10. $7.5 \div 1.5$

11. $6.0 \div 0.5$

12. $9.9 \div 1.1$

Evaluate $4.8 \div x$ for each value of x .

13. $x = 0.2$

14. $x = 0.4$

15. $x = 0.3$

16. $x = 0.6$

17. $x = 0.8$

18. $x = 1.2$

19. Antonio spent \$5.60 on cashews. They cost \$1.40 per pound. How many pounds of cashews did Antonio buy?
_____20. Over several months, a scientist measured a total of 6.3 inches of snow. The average snowfall each month was 2.1 inches. How many months did the scientist measure the snow?

LESSON **Puzzles, Twisters & Teasers**

3-6 **One Nation, Indivisible. . .**

What state is round on both ends and raised in the middle?

We know the United States consists of fifty individual states. Often states want to make improvements to roads, state parks, or schools. They look to the federal government for monies to pay for those improvements.

For each of the improvements listed below, the government has decided which states will receive money. Divide the money for each item by the number of states receiving the money to find how much money each state gets.

ITEM	MONEY	RECIPIENT STATES	MONEY PER STATE
State Parks	\$193.45 per acre	CT, CO, WY, UT, AL	\$38.69
Farming	\$639.24 per acre	NE, KS, MO	\$213.08
Roads	\$534.36 per mile	WV, GA, MS, NC, OR, WA	\$89.06
Security	\$94.56 per government building	MD, PA	\$47.28
Schools	\$143.04 per classroom	LA, OK, ME, RI, KY, AL, WI, HI	\$17.88
Science/Research	\$193.20 per laboratory	FL, TX, MA, CA, AZ	\$38.64
Museums	\$884.79 per display	NY, NM, NH	\$294.93

To answer the riddle, find the column labeled with largest amount of money and the row labeled with the smallest amount of money.

	\$305.17	\$296.40	\$294.93	\$213.08
\$22.04	Maryland	North Dakota	Oklahoma	Oregon
\$14.45	Ohio	Florida	Texas	Vermont
\$17.88	Iowa	Minnesota	New York	Louisiana
\$38.69	Pennsylvania	Arkansas	Maine	Arizona

So, what state do you think is round on both ends and raised in the middle?

o h i o



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LESSON **Practice A**

3-7 **Dividing by Decimals**

Find each quotient.

1. $2.4 \div 0.4$

6

2. $1.4 \div 0.2$

7

3. $4.8 \div 0.6$

8

4. $8.1 \div 0.9$

9

5. $1.8 \div 0.3$

6

6. $6.4 \div 0.8$

8

7. $3.3 \div 0.3$

11

8. $2.6 \div 1.3$

2

9. $7.2 \div 1.2$

6

10. $7.5 \div 1.5$

5

11. $6.0 \div 0.5$

12

12. $9.9 \div 1.1$

9

Evaluate $4.8 \div x$ for each value of x .

13. $x = 0.2$

24

14. $x = 0.4$

12

15. $x = 0.3$

16

16. $x = 0.6$

8

17. $x = 0.8$

6

18. $x = 1.2$

4

19. Antonio spent \$5.60 on cashews. They cost \$1.40 per pound. How many pounds of cashews did Antonio buy?

4 pounds

20. Over several months, a scientist measured a total of 6.3 inches of snow. The average snowfall each month was 2.1 inches. How many months did the scientist measure the snow?

3 months

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LESSON **Practice B**

3-7 **Dividing by Decimals**

Find each quotient.

1. $9.0 \div 0.9$

10

2. $29.6 \div 3.7$

8

3. $10.81 \div 2.3$

4.7

4. $10.5 \div 1.5$

7

5. $15.36 \div 4.8$

3.2

6. $9.75 \div 1.3$

7.5

7. $20.4 \div 5.1$

4

8. $37.5 \div 2.5$

15

9. $9.24 \div 1.1$

8.4

10. $16.56 \div 6.9$

2.4

11. $28.9 \div 8.5$

3.4

12. $14.35 \div 0.7$

20.5

Evaluate $x \div 1.2$ for each value of x .

13. $x = 40.8$

34

14. $x = 1.8$

1.5

15. $x = 10.8$

9

16. $x = 14.4$

12

17. $x = 4.32$

3.6

18. $x = 0.06$

0.05

19. Anna is saving \$6.35 a week to buy a computer game that costs \$57.15. How many weeks will she have to save to buy the game?

9 weeks

20. Ben ran a 19.5-mile race last Saturday. His average speed during the race was 7.8 miles per hour. How long did it take Ben to finish the race?

2.5 hours

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LESSON **Practice C**

3-7 **Dividing by Decimals**

Find each quotient.

1. $4.75 \div 2.5$

1.9

2. $34.04 \div 4.6$

7.4

3. $10.0 \div 1.25$

8

4. $283.62 \div 8.7$

32.6

5. $168.75 \div 6.75$

25

6. $0.1092 \div 0.013$

8.4

7. $7.7293 \div 3.7$

2.089

8. $97.206 \div 5.1$

19.06

9. $0.489807 \div 0.081$

6.047

Evaluate $15.65 \div x$ for each value of x .

10. $x = 0.2$

78.25

11. $x = 0.4$

39.125

12. $x = 0.5$

31.3

13. $x = 0.8$

19.5625

14. $x = 1.6$

9.78125

15. $x = 2.5$

6.26

Evaluate.

16. $n \div 7.8$ for $n = 26.988$

3.46

17. $(7^2 - 32.9) \div c$ for $c = 3.5$

4.6

18. $18.67 - (0.216 \div x)$ for $x = 0.02$

7.87

19. $4.4t \div 1.6$ for $t = 16.92$

46.53

20. The sum of two decimal numbers is 3.9. Their difference is 0.9, and their product is 3.6. What are the two numbers?

2.4 and 1.5

21. The sum of two decimal numbers is 5.3. Their difference is 1.7, and their product is 6.3. What are the two numbers?

3.5 and 1.8

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