



Objective: REVIEW

Add, Subtract, Multiply and Divide Decimals

Adding and subtracting decimals is like adding and subtracting integers. Write the problem vertically, lining up the decimal points. Add or subtract from right to left. Regroup if necessary.

Multiplying decimals is similar to multiplying whole numbers. Multiply the factors as if there were no decimal points. Then, add the number of decimal places in the factors. That sum is the number of decimal places in the product.



- Debra bought two bottles of conditioner at the hair salon. One bottle contained 0.355 liter (L) and the other contained 0.877 L. How many liters of conditioner did she buy in all?
 - 1.122 L
 - 1.232 L
 - 9.225 L
 - 12.32 L
- Mr. Farmer has a greyhound that can run 37.35 miles per hour. He also has a quarter horse that can run 47.5 miles per hour. How much faster can the quarter horse run than the greyhound?
 - 9.2 miles per hour
 - 10.15 miles per hour
 - 11.45 miles per hour
 - 11.85 miles per hour
- Mr. Palmer had \$5,675.68 in his savings account. He then deposited \$2,168.79 more in his account. How much is in his savings account now?
 - \$7,844.47
 - \$7,843.37
 - \$7,734.47
 - \$7,733.37
- A marathon is a race with a distance of 26.2 miles (mi). Lauren is competing in a marathon and has run 10.75 mi so far. How many more miles does she need to run to complete the marathon?
 - 8.13 mi
 - 15.27 mi
 - 15.45 mi
 - 15.55 mi
- The mean distance from Mars to the sun is 141.633 million miles. The mean distance from Mercury to the sun is 35.983 million miles. Approximately how much closer to the sun is Mercury than Mars?
 - 218.197 million miles
 - 177.616 million miles
 - 142.35 million miles
 - 105.65 million miles
- In the 2010 Winter Olympics 500-meter mens' speed skating finals, the gold medalist's best time was 40.77 seconds and the silver medalist's best time was 40.821 seconds. How many seconds faster was the gold medalist's best time than the silver medalist's best time?
 - 0.051 second
 - 0.114 second
 - 0.744 second
 - 36.744 seconds

7. A blue piece of string is 2.355 meters long. A red piece of string is 3.8 meters long. How much longer is the red piece of string than the blue piece of string?

- A. 1.975 meters
- B. 1.445 meters
- C. 0.725 meter
- D. 0.653 meter

8. Claire's family drove 129.5 miles on the first day of their vacation. The next day they drove 43.25 miles, and the third day they drove 36.5 miles. How many more miles did they drive on the first day than on the second and third days combined?

- A. 211.25 miles
- B. 81.75 miles
- C. 49.75 miles
- D. 43.00 miles

9. The table below shows the masses of three U.S. coins.

Masses of U.S. Coins

Coin	Mass (in grams)
Dime	2.268
Quarter	5.67
Half dollar	11.34

A. A dime and a quarter are placed on one side of a balance scale. A half dollar is placed on the other side. Which side of the scale has the greater mass, in grams? How much greater is it? Show or explain how you determined your answer.

B. What is the total mass of all three coins? Show or explain how you determined your answer.

10. Elijah bought 3 books at the bookstore. They cost \$3.75, \$10.82, and \$7.45. Circle the total cost of the books.

The total cost of the books was

\$21.20
\$22.02
\$23.25

11. Determine if the solution for each word problem is correct. Select True or False for each word problem.

- A. Tao spent 1.35 hours on his math homework, 0.25 hour on his spelling homework, and 0.85 hour on his science homework. Tao spent 2.45 hours completing homework. True False
- B. Fredrick lives 5.672 miles from school. Aretha lives 3.272 miles from school. Fredrick lives 8.944 miles farther from school than Aretha. True False
- C. The Westbrook Student Council had \$2,456.72 in its club account. After a fundraiser, the account had \$3,121.16. The Student Council raised \$5,577.88 during the fundraiser. True False
- D. Mina planted a pepper plant that was 5.68 inches tall. By the end of the summer, the pepper plant grew 8.45 inches. The pepper plant was 14.13 inches tall at the end of the summer. True False

12. Draw a line from each word problem to its solution.

- A. Sarah made a triangular sandbox in her backyard with the sides measuring 6.72 feet, 8.95 feet, and 11.89 feet. What is the perimeter of the sandbox, in feet? ● 23.46
- B. Brett rode his bike 45.67 miles in one day. He biked 22.21 miles before lunch. How many miles did Brett ride his bike after lunch? ● 27.56
- C. Bessie bought three boxes of cereal with weights of 14.25 ounces, 21.45 ounces, and 11.5 ounces. What was the total weight of the boxes of cereal, in ounces? ● 47.2



- Multiply: 0.7×0.4
 - 0.28
 - 2.8
 - 28
 - 280
- Divide: $50.28 \div 12$
 - 4.19
 - 4.21
 - 41.9
 - 42.1
- Maxim raised \$890.88 for charity. He divided the amount equally among his sixteen favorite charities. How much did each charity receive?
 - \$41.61
 - \$54.16
 - \$55.18
 - \$55.68
- Kristina rides her bicycle 13.25 miles to and from her job each week. How many miles does she bike in all to and from her job in 29 weeks?
 - 3.8425 miles
 - 38.425 miles
 - 384.25 miles
 - 3,842.5 miles
- What is the product of 3.456×1.3 ?
 - 0.4928
 - 4.4928
 - 44.928
 - 449.28
- What is the quotient when 2.375 is divided by 0.05?
 - 4.75
 - 5.55
 - 44.35
 - 47.5
- The cost of Ruben's large storage unit is \$285.47 per month. If Ruben pays in advance for 2 years of storage, how much will he pay in all?
 - \$1,712.82
 - \$6,851.28
 - \$6,951.28
 - \$7,851.28
- A road race is 10 kilometers long. After the starting line, there are water stations every 0.4 kilometer, including at the finish line. How many water stations are there?
 - 25
 - 40
 - 250
 - 400

9. Greg's Gas Station sells three different kinds of gasoline: regular, plus, and premium.
- A. Mr. Adams spent \$36.25 on 12.5 gallons of regular gasoline at Greg's Gas Station. Determine the cost per gallon for regular gasoline, showing each step in the process.
- B. At Greg's Gas Station, premium gasoline costs \$0.14 more per gallon than regular gasoline. How much would Mr. Adams have paid if he bought 12.5 gallons of premium gasoline instead? Show or explain your work.

10. Select True or False for each statement.

- A. $0.92 \times 32.1 = 29.532$ True False
- B. $58.752 \div 8.16 = 6.2$ True False
- C. $1.9 \times 3.45 = 6.555$ True False
- D. $10.496 \div 4.1 = 2.56$ True False

11. Hiro cut a rope that was 19.4 inches long into 4 equal pieces. Circle the length of each piece of rope.

Each piece of rope is

4.85
10.35
8.65

 inches long.

12. Look at each expression. Does it simplify to 35.6? Select Yes or No.

- A. $81.88 \div 2.3$ Yes No
B. 178×0.2 Yes No
C. $41.7 \div 1.23$ Yes No
D. 5.7×7.2 Yes No

13. Circle every word problem that has a solution of \$25.75.

- A. Greg spent \$77.25 on three gifts. He spent the same amount of money on each gift. How much did Greg spend on each gift?
B. Washington's family went on a 5-day vacation. The cost for the hotel was \$177.50. What was the cost of the hotel per day?
C. Flora bought 5 pairs of earrings that each cost \$5.15. What was the total cost of the earrings?

14. Draw a line from each expression to its solution.

- | | | | |
|------------------------|---|---|---------|
| A. 15.6×12.34 | ● | ● | 15.3 |
| B. 9.1×3.2 | ● | ● | 7.8 |
| C. 13.4×2.5 | ● | ● | 29.12 |
| D. $14.82 \div 1.9$ | ● | ● | 192.504 |
| E. $19.125 \div 1.25$ | ● | ● | 33.5 |



LESSON SE 1d



Objective

Look at each word problem. Is its solution 19.81? Select Yes or No.

- A. Bala bought a necklace for \$14.08 and a ring for \$6.11. She gave the clerk \$40.00. How much change did she receive, in dollars? Yes No
- B. Jacob jogged 6.72 miles on Saturday and 8.94 miles on Sunday. How many miles did he jog in all? Yes No
- C. Emmitt played video games one week during spring break. He played 2.15 hours, 3.35 hours, 4.5 hours, 4.29 hours, and 5.52 hours on different days. How many hours in all did he play video games that week? Yes No

Select every word problem that has a solution of \$35.67.

- A. Sophia earned \$14.75, \$15.85, and \$7.50 babysitting. What was the total amount she earned babysitting?
- B. Hector had \$62.54. He spent \$26.87. How much money does he have left?
- C. Sierra bought \$124.65 worth of costumes. She made two payments of \$53.45 and \$35.53. What is the balance Sierra owes on her costumes?

Find the value of each expression. Write each expression in the correct box.

1.5×5.5	$15.675 \div 1.9$	2.125×6	$21.675 \div 1.7$	2.5×3.3
------------------	-------------------	------------------	-------------------	------------------

Solution of 8.25	Solution of 12.75