

# Unit 12 Study Guide

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Roberto earns \$3 per hour babysitting. How much does he earn in 5 hours?  
You may create a rate table to help you.
2. A box of 8 pieces of chalk costs 62 cents. What is the cost of 1 piece of chalk?  
You may create a rate table to help you.

3. The Devis family drove 295 miles to visit relatives. It took 5 hours. At that rate, how many miles had the Devises driven in 3 hours? Fill in the table.

Hours			3		5
Miles					295

4. Roberto earns \$3 per hour babysitting. How much does he earn in 5 hours?  
You may create a rate table to help you.
5. Shawna works 3 hours a day, 5 days a week. She earns \$48.00 per day.
  - a. How much does she earn per hour?
  - b. How much does she earn per week?
6. List the factor pairs of 12.  
\_\_\_\_\_ and \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_
7. Name all the factors of 28.
8. Name all the factors of 32.
9. Name all the factors of 84.
10. Name all the factors of 66.

Name \_\_\_\_\_

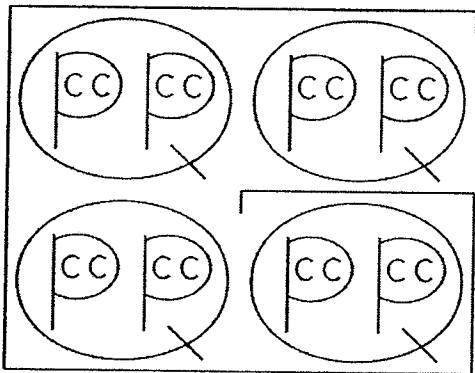
Date \_\_\_\_\_

11. Compare. Write  $<$ ,  $>$ , or  $=$  for the  $\bigcirc$ .

$$-45 \bigcirc -65$$

12. Write the following set of numbers in order from largest to smallest.  
0.09, -1.3, -0.001, -2.3, 1.2, 0.01

13. Use the diagram to help you solve the problems.



a. \_\_\_\_\_ c = 2 gal

b. 22 qt = \_\_\_\_\_ gal \_\_\_\_\_ qt

c. 10 c = \_\_\_\_\_ qt \_\_\_\_\_ c

d. 15 pt = \_\_\_\_\_ qt \_\_\_\_\_ pt

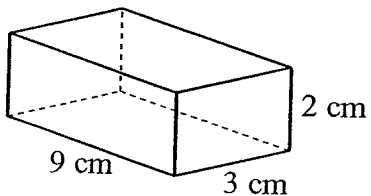
e. 3 qt = \_\_\_\_\_ c

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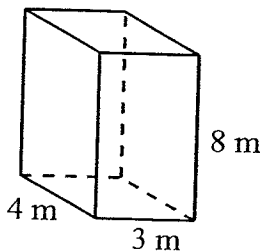
Date \_\_\_\_\_

14. Calculate the volume of each rectangular prism.

a.



b.



15. Solve the open sentence.

$$642.123 + 123.230 = d$$

16. Find the solution of each open sentence.

$$26.69 = 12.15 + x$$

17. Solve the open sentence.

$$94.658 - 92.801 = d$$

18. Solve.

$$m - 26.6 = 27.1$$

19. Write the set of fractions in order from smallest to largest.

$$-\frac{1}{14}, \frac{4}{14}, \frac{2}{14}, -\frac{7}{14}, \frac{9}{14}$$

Order the fractions from smallest to largest.

20.  $\frac{1}{6}, -\frac{3}{4}, \frac{14}{24}, -\frac{12}{19}, \frac{5}{8}$

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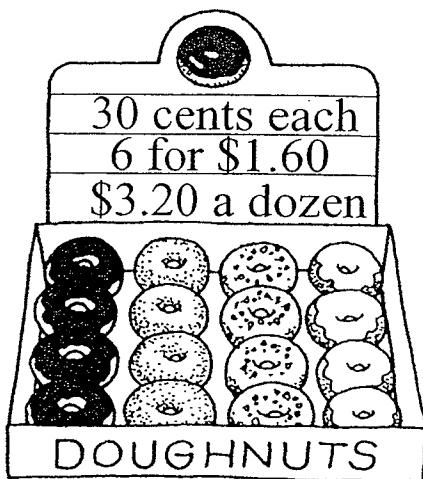
Order the fractions from smallest to largest.

21.  $-\frac{3}{9}$ ,  $-\frac{4}{32}$ ,  $\frac{9}{11}$ ,  $\frac{5}{7}$ ,  $\frac{2}{14}$

22.  $\frac{2}{8}$ ,  $\frac{13}{26}$ ,  $-\frac{5}{10}$ ,  $\frac{2}{6}$ ,  $-\frac{11}{33}$

23.  $\frac{3}{18}$ ,  $-\frac{9}{81}$ ,  $-\frac{4}{16}$ ,  $\frac{1}{5}$ ,  $\frac{15}{45}$

24. There are three schools in Somertown. Each school has 239 students. A friend estimates there are 1,200 students at all three schools. Is this reasonable? Explain.
25. Katie is buying a package of erasers at a store. The store sells packages of 23 erasers for \$2.30 and 28 erasers for \$1.96. Which package offers the better buy? Explain.
26. Use the sign below to solve the problem. Explain how you found your answer.



Joey goes to Doreen's Delicious Doughnuts to buy doughnuts for the class party. What is the least amount of money he will have to pay for 50 doughnuts? Explain.