

Name: \_\_\_\_\_ Test Date: \_\_\_\_\_ Parent Signature: \_\_\_\_\_

## Unit 4: Division Study Guide

**Read each question carefully! Be sure to answer ALL parts of the question. Don't forget the units and to show your work! *This will count for a grade.* You can do it!** 

1) Solve  $1,855 \div 6 =$

2) Multiply to check your answer to #1

3) Estimate to solve  $501 \div 7 =$

4) Estimate to solve  $671 \div 8 =$

5) Solve  $8 \overline{)1,032}$

6) Multiply to check your answer to #5

7) Solve:  $6 \times 4 - 2 \times (18 \div 6) + 1 =$

8) Solve:  $29 - (24 \div 3) + 7 =$

---

9) Draw an area model of the division problem  $906 \div 3$  to find the quotient. A rectangle has been drawn below for you to use.

--	--

---

10) Draw an area model of the division problem  $678 \div 6$  to find the quotient. A rectangle has been drawn below for you to use.

--	--	--

---

11) Find the quotient  $9,000 \div 300 =$

12) How many book shelves are needed if you have to store 457 books and only 8 books fit on each shelf?

13) The lunchroom has a total of 24 tables. That is 8 times the number of tables in each row. Draw an array that illustrates this division fact.

14) Model  $679 \div 4$  using base 10 blocks.

---

15) Complete

$$42 \div 7 = 6$$

$$420 \div 7 = \underline{\quad}$$

$$4,200 \div 7 = \underline{\quad}$$

$$42,000,000 \div 7 = \underline{\quad}$$

16) Suwanee has 4 times as many residents as Buford. Suwanee has 6,892 residents. Write an equation using S for Suwanee and B for Buford that represents this situation.

**About** how many residents are in Buford?

17) Find the missing factor.

$$8 \times \underline{\quad} = 4,232$$

18) Which of the following have quotients that are less than 6?

a.  $24 \div 8$

c.  $35 \div 5$

b.  $54 \div 6$

d.  $10 \div 2$

19)  $1,113 \div 8 = 139 \text{ r}1$  is the inverse (opposite) of

$$\underline{\quad} \times \underline{\quad} + \underline{\quad} = \underline{\quad}$$

20) Write an equation that shows 9 times as many as 6 is 54.

21) Solve  $(12 \times 4) \div 6 + 33 =$

22) Solve  $12 \times 8 \div (2 + 1) =$

23) Write all of the composite numbers between 70 and 75.

24) Write all of the prime numbers between 65 and 70.

25) A teacher has \$225 to spend on a class party. Each student will cost \$9. Will she have enough to pay for her 27 students? Explain why or why not.

26) Mason placed his 142 Pokémon cards in sleeves that hold only 8 cards each. How many sleeves will he need for all of the cards? Model the answer.

27) Mrs. Nowicki's fourth grade team won a cupcake party at the local bakery. Mrs. Nowicki has 42 students and 3 chaperones, and only 12 people will fit into each school van. How many vans will Mrs. Nowicki need? Explain your answer.

28) A. List the factors of 38.

\_\_\_\_\_

B. List the first 4 multiples of 12.

\_\_\_\_\_

29) A baker packages 245 brownies in packages of 12. If he gets to eat all of the left over brownies, how many brownies will he get to eat?

30) There are 329 people in a theater. Each person will get a program. If the programs come in packages of 20, how many packages will they need in order for everyone to get a program?

31) An announcer estimates that there were 70,000 fans in the stadium. Which one number below cannot be the exact number of fans that are there?

a. 71,994

b. 75,459

c. 65,005

d. 69,799

32) A new Computer costs \$1,998. The Computer costs 6 times as much as a Tablet.

a. Use the variables C and T to write a number sentence that will help you solve this problem.

b. How much does the Tablet cost?

