

Instructions: Write your name before you begin the test. Show the work to each problem in a clear and organized manner and box your final answer. If you don't show your work on the exam, please indicate where I might find the work, and label it clearly. If there is no work shown for a problem it will be entirely correct or entirely incorrect! Word problems must show all work in the manner that has been shown in class to receive full credit – an answer only will not receive full credit. Work carefully. Good Luck!!

1. Write the name of the following number 42,097
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2. Place the appropriate comparison symbol between the numbers (<, >, or =)

a) 11 2

b) 0 7

3. Match each of the following properties of addition with the example that best exhibits the property. (Write the letter of the example on the line beside the property.)

_____ Commutative Property

a) $3 + (4 + 6) = (3 + 4) + 6$

_____ Identity Element

b) $5 + 4 = 4 + 5$

_____ Associative Property

c) $1 + 0 = 1$

4. Match each of the following properties of multiplication with the example that best exhibits the property. (Write the letter of the example on the line beside the property.)

_____ Commutative Property

a) $(3)(5 \cdot 4) = (3 \cdot 5)(4)$

_____ Identity Element

b) $7 \cdot 6 = 6 \cdot 7$

_____ Associative Property

c) $1 \cdot 0 = 0$

_____ Property of Zero

d) $5 \cdot 1 = 5$

5. Match each of the following facts about division with the answer that best exhibits the fact. (*Write the letter of the fact on the line beside the problem.*)

_____ $12 \div 0 =$

a) One

_____ $0 \div 12 =$

b) Undefined

_____ $12 \div 12 =$

c) Zero

6. Subtract and check $29,002 - 8,125$

7. Round the following number to the indicated place value 9,535

a) To the nearest ten _____

b) To the nearest hundred _____

c) To the nearest thousand _____

8. Multiply each of the following

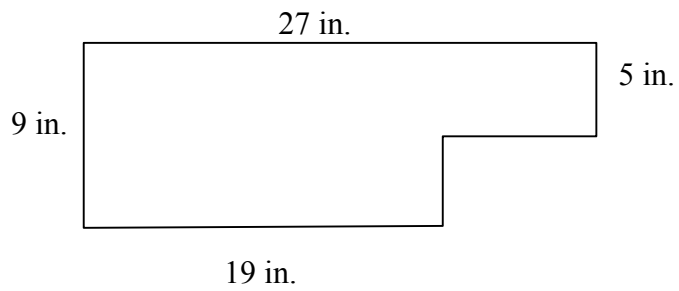
a) $30,000 \times 20 =$

b) $12,000 \times 91 =$

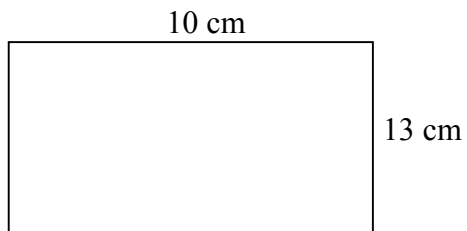
9. Divide and check *(If there is a remainder write it in remainder form)*

$$2,531 \div 25 =$$

10. Find the perimeter of the following figure *(Be careful)*



11. Find the area of the following rectangle



12. Susan Hill needs a new washer and dryer. The washer they like costs \$399 and the dryer costs \$321. Round each cost to the nearest hundred to estimate the total cost.

13. Find the average number of points scored in the Heat's last five games if they scored: 10, 7, 2, 3, 3.

14. A marching band had 24 rows with 12 people in each row. How many people are in the band?

15. Using the following table, how many more people live in Bucharest than in Constanta and Cluj-Napoca combined?

Major City	Population
Brasov	353,000
Bucharest	2,300,000
Cluj-Napoca	318,000
Constanta	316,000
Sibiu	169,000

16. Steve earns \$28,740 a year. Find his income per month.

17. Translate to a mathematical equation and solve. (*Give both equation and solution.*)

a) Subtract 12 from 27

b) The difference of 15 and 9