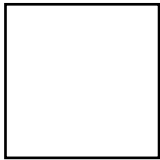




Chapter 1 Unit Test - Whole Numbers























Name _____ Section _____

Be sure to show all your work and circle your answer.

- 1a) Round 471,823 to the nearest ten thousand.
1b) Round 957,586,829 to the nearest million.
1c) Round 45,678,523 to the nearest hundred.
- 2) Find the product of 845 and 340 (show all work).
- 3) Find the total of 53455, 7869, 7912, and 235 (show all work).
- 4) Find the quotient of 82,079 and 68 (show all work).
- 5) Find 6798 less than 82,510 (show all work).
- 6) Estimate by rounding to the nearest ten: $5616 + 1751 + 25 + 672 + 4$.
- 7) Estimate by rounding to the nearest hundred: $243,648 \div 282 \bullet 432$.
- 8) Find the perimeter of the following square:
- 49 ft 
- 9) Find the area of the following rectangle:
- 185 in 
- 10a) Find $0 \div 124$.
10b) Find $56 \div 0$.
- 11) Write 45,895,903 in words.
- 12) Evaluate: $242 \div (3^3 - 4^2) \bullet 6 - \sqrt{25} \bullet 3 \div 15$
- 13) Evaluate: $6^1 \bullet \sqrt{16} - [9^2 - 6 \bullet 15 \div 10(8)]$

- 14) Evaluate: $\{11 - 3(2)\}^2 - 0 \div 6(2) + 11^0$
- 15) Evaluate: $2 \cdot 3^2 \div 0 + 12 \div (2 + 4)$
- 16) A department buys 22 desktop computers at \$647 each and 14 printers for \$163 each. If the department receives a bulk discount of \$2559, find the cost of the purchase.
- 17) An architect is designing a theater to seat 1780 people. The main floor has 40 rows of 28 seats. If each row in the balcony has 22 seats, how many rows must be in the balcony?
- 18) Insert parenthesis so that the expression: $48 \div 8 + 4 \cdot 2 - 3$ evaluates to 5.
- 19) Determine which answers listed below are unreasonable to $13\#,#### \div 4,###$:
- a) 3 b) 32 c) 29 d) 315 e) 295
- 20) Number of letters received by Sacme Corporation

( = 20 letters)

Day	Number of letters
Mon.	  
Tue.	   
Wed.	     
Thu.	   
Fri.	    

How more letters did Sacme receive on Wednesday and Friday than on Monday and Tuesday?

Answer Key:

1a) $\approx 470,000$ 1b) $\approx 958,000,000$ 1c) $\approx 45,678,500$

2) 287,300 3) 69,471 4) 1207 R 3 5) 75,712

6) 8080 7) 324,800 8) 196 ft 9) $72,150 \text{ in}^2$ 10a) 0

10b) undefined

11) forty-five million, eight hundred ninety-five thousand, nine hundred three

12) 131 13) 15 14) 26 15) undefined 16) \$13,957

17) 30 rows 18) $48 \div (8 + 4) \cdot 2 - 3$ 19) a, d, and e

20) 80 letters