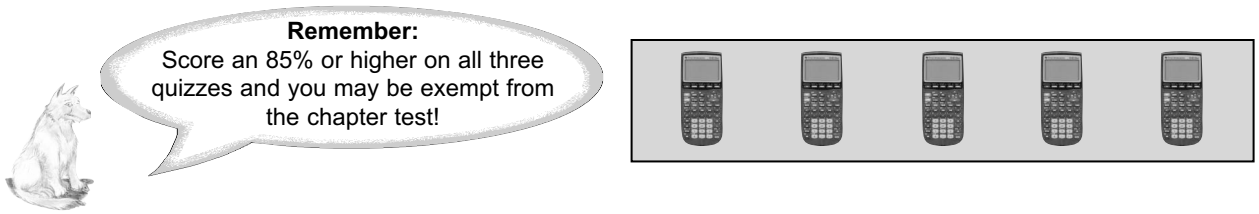
Name: _____

Date: _____ Grade: _____

SECTION QUIZ 6-1



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 1.04 points.

Fill in the blank. Choose the correct word from the WORD BANK.

WORD BANK			
data	enter	function	multiplication
caret (^)	zero	division	back-arrow
enter	pounding	key-stroke	

1. _____ is information, especially numerical information.

2. Keys on a calculator that allow you to perform various mathematical operations are called _____ keys.

3. To *add*, *subtract*, *multiply* or *divide* numbers containing more digits, simply type in all the digits of each number before pressing the _____ key.

4. If an error in typing has occurred, use the function key labeled with a _____, and retype the correct digit(s).

5. The * symbol on calculators indicates _____.

6. The TI-83 will do multiple calculations in one _____ of the *enter* key regardless of the operations.

7. The / symbol on calculators indicates _____.

8. The _____ key on a calculator performs the operation of raising a number to a power.

Use your calculator to work the problems below. Place the answer on the blank provided.

9. 852 + 547 = _____

10. 1,274 - 365 = _____

11. 75 - 25 - 10 + 253 = _____

12. 23,654 + 5,874,125 = _____

13. 62 - 45 = _____

14. 845 - 563 - 752 + 2,000 = _____

15. 2,248 - 325 - 699 - 527 + 3,200 = _____

©Copyright 2005, Paradigm Accelerated Curriculum

DUPLICATION BY WRITTEN PERMISSION ONLY.

SECTION QUIZ 6-1

16. $50 \div 2 - 25 =$ _____

17. $800 - 500 + 4 \bullet 35 =$ _____

18. $45 \bullet 3 \div 6 =$ _____

19. $986 \div 2 \bullet 5 \div 4 + 3 =$ _____

20. $18 - 9 \bullet 2 =$ _____

21. $75 \div 25 \bullet 10 \div 2 =$ _____

Fill in the blanks or choose the correct answer.

22. A shorthand method of writing some multiplication problems was developed, called raising a number to a _____. (power, root, factor)

23. You must press the _____ (fourth, third, second) key before pressing the x^2 key to perform the square root function.

24. A _____ (menu, venue, television) screen is a screen on a calculator with a list of possible options.

25. To locate the operation for cubing a number you must first press the _____ (enter, caret, math) key.

26. Extracting a root means to find the equal _____ (factors, squares, digits) of a number.

27. The difference between the cost for which a business purchases an item and the price for which the business sells the item to the customer is called the _____ (profit, discount, loss).

28. The amount that a price is reduced on a product is the _____ (mark-up, percentage, discount).

Use your calculator to work the following power and root problems. Write your answer on the blank provided.

29. $8^4 =$ _____

30. $5^5 =$ _____

31. $16^3 =$ _____

32. $90^4 =$ _____

33. $\sqrt{289} =$ _____

34. $\sqrt[5]{32768} =$ _____

35. $\sqrt[3]{4913} =$ _____

36. $\sqrt{8100} =$ _____

37. $\sqrt[9]{10077696} =$ _____

©Copyright 2005, Paradigm Accelerated Curriculum

DUPLICATION BY WRITTEN PERMISSION ONLY.

Fill in the blanks. Use your calculator to work the following percentage problems.

38. Marcus went to the store to purchase a few items. Marcus took his calculator along so that he would know what the total cost of the items would be before he checked out at the register. Marcus purchased five items at a cost of $14.25, $3.50, $1.99, $12.45 and $2.12. Marcus added these numbers together on his calculator and then calculated the sales tax. He knew that the local sales tax rate was 8%. Marcus calculated the sales tax to be $_____. He then added the sales tax to the combined purchase price of the four items and determined his total bill would be $_____.

39. Jo Ann's brother, Jim, invested $8,500.00 for 10 years in a mutual fund with a 11.95% rate of return. At the end of the ten years Jim had a total of $_____.

40. Roland took the money he borrowed and started a small business. In the first year, he made a profit of $18,000.00. Roland had to pay income tax on this money at a rate of 15%. Roland calculated his income tax to be $_____. (Use the simple interest formula.)

41. A discount of 35% on a new car selling for $20,000.00 was listed in the newspaper. Karla wanted to purchase the car. Karla would have to pay $_____ for the car.

Matching

42. _____ Area of a triangle	(a) $P = 2w + 2l$
43. _____ Volume of a rectangular prism	(b) $A = w \times l$
44. _____ Circumference of a circle	(c) $V = w \times l \times h$
45. _____ Perimeter of a rectangle	(d) $A = \frac{1}{2}bh$
46. _____ Area of a circle	(e) $C = \pi d = 2\pi r$
47. _____ Area of a rectangle	(f) $A = \pi r^2$

©Copyright 2005, Paradigm Accelerated Curriculum

DUPLICATION BY WRITTEN PERMISSION ONLY.

SECTION QUIZ 6-1

Use your calculator to work the following area and volume problems. Write your answer on the blank provided.

48. Calculate the area of a triangle with a base of 5 inches and a height of 8.5 inches.

_____

(a) 42.5 sq inches
(b) 10.625 sq inches
(c) 29.3 sq inches
(d) 21.25 sq inches

49. Calculate the volume of a rectangular pyramid with a base of width 4 inches, a height of 12 inches and length 6 inches. ($V = {}^{1}/_{3}wlh$) _____

50. The diameter of the Moon is approximately 2,160 miles. The formula for the surface area of a sphere is: $A_s = 4\pi r^2$. The surface area of the Moon is: _____ square miles. (Must be exactly what is shown on the LCD screen for the answer.)

(a) 1.465741468×10^7
(b) 14657414.68
(c) 1.465741468E7
(d) none of these

Match the following Life Principles.

51. _____ *"Only love can be divided endlessly* (a) *and still not diminish."*

52. _____ *"Beginning a thing may be easy* (b) *begins by carrying away small stones."*

53. _____ *"To the problems of your life,* (c) *what its purchaser will pay for it."*

54. _____ *"Everything is worth* (d) *you are the only solution."*

55. _____ *"The man who removes a mountain* (e) *—continuing is often harder."*

©Copyright 2005, Paradigm Accelerated Curriculum

DUPLICATION BY WRITTEN PERMISSION ONLY.