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|--|-----------------|-----------------|--------------------|
| Score #1: _____ | Score #2: _____ | Score #3: _____ | _____ |
| S & G _____ | S & G _____ | S & G _____ | Final Score |
| Grader: _____ | Grader: _____ | Grader: _____ | |
| Name: _____ | | | |
| School: _____ | | | |
| Grade: 4 th 5 th | | | |



Elementary Calculator

October 30, 2010

General Directions

This test will last for 30 minutes. There are 80 problems on the test.

Write all of your answers using three significant digits.

Correct forms include: 14.5, 145, 145. , 1.45 x 10, 1.45 x 10⁷

Incorrect forms include: 14.50, 1.45(10)³, 1.450 x 10², 1.45E5

Plus or minus one digit error in the third significant digit is OK.

For word problems, use three significant digits unless the answer blank calls for INT (which means integer) or unless the answer involves money (round to the nearest penny).

Scoring: All problems correctly answered are worth 5 points. Four points will be subtracted for all misses or skips before the last problem attempted.

ELEMENTARY CALCULATOR 2010-2011

TEST #1

1. $5 + 486 + 320$ ----- 1= _____

2. $2850 - 46 - 389$ ----- 2= _____

3. $96000 + 54300 + 89652$ ----- 3= _____

4. $319 + (685 - 99)$ ----- 4= _____

5. $940001 - 773980 - 740760$ ----- 5= _____

6. $1321 + 1456 + 785 - 459$ ----- 6= _____

7. $40968 - 908 - 29851 + 987$ ----- 7= _____

8. $1449 - 815 \times 984$ ----- 8= _____

9. $300 \times 400 \times 500$ ----- 9= _____

10. $897 + 367 \times 23 + 467$ ----- 10= _____

11. Hailey calculated the value of her coins. They were worth \$7.75. They were all quarters. How many quarters did Hailey have? 11= _____ int.

12. Ayden has fifty coins (either nickels or quarters). Twelve of the coins are not nickels. What is the value of all of his nickels? 12= \$ _____

13. Bryan has 23 more video games than Daryl. If Daryl has 12 games, how many do Bryan and Daryl have together? 13= _____ int.

14. $5.87 + 12.23 + 0.0127$ ----- 14= _____

15. $12.7 - 68.001 + 523.45$ ----- 15= _____

16. $0.960 + 54.300 + 97.651$ ----- 16= _____

17. $878 + (675 - 43) + 4(3 + 8.3)$ ----- 17= _____

18. $(56 - 98)(456 - 2 \times 228) + 177$ ----- 18= _____

19. $0.128 \times 6.8 \times 89.34$ ----- 19= _____

20. $28 \times 712 - 476 \times 12$ ----- 20= _____

21. $.1234 + 76 \times \frac{3}{4}$ ----- 21= _____

22. $2000 [\frac{3}{4} + \frac{1}{2}]$ ----- 22= _____

23. $0.123 + 0.345 - 67 \times 4.002$ ----- 23= _____

24. Allyson loves to add pictures to her Facebook site. She averaged 12 pictures per day during the month of October. How many pictures did she add to her site in October? 24= _____ int.

25. Lara is a nurse who works an average of 28 hours per week. How many hours can she expect to work in 14 weeks? 25= _____

26. Nathan and Lindsey kept records of their running workouts. If Nathan runs 14 miles each week and Lindsey runs 9 miles each week, how many total miles will they run in 13 weeks? 26= _____ int.

27. $(0.00367) [(0.00387 / 0.01567) (0.5634 / 56.3)]$ ----- 27= _____

28. $\frac{18.3+45.26}{27.1+3.456}$ ----- 28= _____

29. $(34.6 -12.3) + 2 - 76$ ----- 29= _____

30. $\frac{(56 +234 +768)}{5.6456+34.56}$ ----- 30= _____

31. $598 + 234 + 34,786 + 45 - 2,378.4$ ----- 31= _____

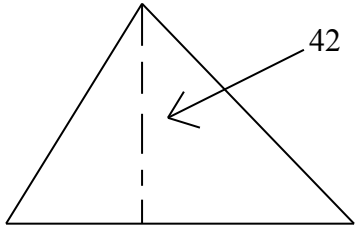
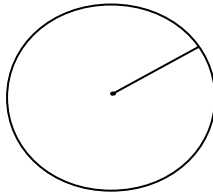
32. $598 - 234 - 34,456 + 45 - 2,378.4$ ----- 32= _____

33. $(34.6 -12.3) + 452 - 76$ ----- 33= _____

34. $\frac{1/48}{1/12}$ ----- 34= _____

35. On her calculator test, Nicole stopped working after she completed problem 45. She missed 3 and skipped 4. What was her score on the test? 35= _____

36. Jan loves to cook. She cooked dinner 8 times in August, 12 times in September, and 11 times in October. How many more times did she cook dinner in October than she did in August? 36= _____

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| <p>TRIANGLE</p>  <p style="text-align: center;">64</p> <p style="text-align: right;">AREA = ?</p> <p>37= _____</p> | <p>CIRCLE</p>  <p style="text-align: center;">RADIUS = 346</p> <p style="text-align: center;">CIRCUMFERENCE = ?</p> <p>38= _____</p> |
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39. $\frac{2.45}{1.15} + (45 + 23.4)^2$ ----- 39= _____

40. $(4.02 + 6.01)^3$ ----- 40= _____

41. $(39.6 - 82.3) - 45 - 476$ ----- 41= _____

42. $\sqrt{(45.6 + 34.1)}$ ----- 42= _____

43. $62,379.56 - 379$ ----- 43= _____

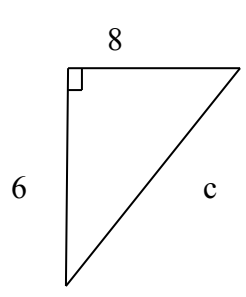
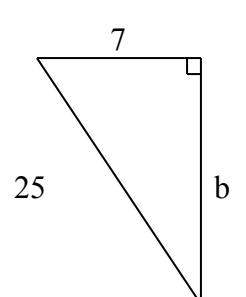
44. $50 - 25 - 20.9 - 2 - 1$ ----- 44= _____

45. $(54 + 112) \div (112 + 54)$ ----- 45= _____

46. $\frac{1/24}{1/48}$ ----- 46= _____

47. Add the square root of 529 to the square of 23. Now decrease the result by 500. Now increase this result by 478. What is the result now? ----- 47= _____

48. Three consecutive positive integers (whole numbers) are added together. The sum of the three integers is 57. What is the largest of the three integers? ----- 48= _____

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| <p style="text-align: center;">RIGHT TRIANGLE</p>  <p style="text-align: center;">Length of side c = ?</p> <p>49= _____</p> | <p style="text-align: center;">RIGHT TRIANGLE</p>  <p style="text-align: center;">Length of side b = ?</p> <p>50= _____</p> |
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51. $\frac{146 + 467 + \sqrt{2330 + 3451}}{467/235}$ ----- 51= _____

52. $\frac{(345 + 891 - 231)^3}{\sqrt{567}}$ ----- 52= _____

53. $(49.6 - 82.3)^3$ ----- 53= _____

54. $\sqrt{678} + (456 + 342)^2$ ----- 54= _____

55. $379 - 65 + \sqrt{927}$ ----- 55= _____


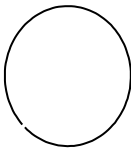

56. $60 - 35 - \sqrt{729} - 42 - 1$ ----- 56= _____

57. $\sqrt{4900} + 30$ ----- 57= _____

58. $(\text{deg}) \cos (65)$ ----- 58= _____

59. Lara drove her car from Nacogdoches to Houston. She traveled 140 miles. She left home at 10:00 am and arrived in Houston at 1:30 pm. What was her average speed in miles per hour? 59= _____

60. Ayden can mow and edge his yard in 2 hours. When Hailey visits Killeen, she likes to mow his yard for him by herself. She can mow and edge the yard in 3 hours. If they both worked on the yard together, how many hours should it take them to mow and edge the yard? 60= _____

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| <p style="text-align: center;">RECTANGLE AND CIRCLE</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="text-align: left;"> <p>4.2 = width</p> </div> </div> <div style="display: flex; align-items: center; justify-content: center; margin-top: 20px;"> <div style="text-align: left; margin-right: 20px;"> <p>length = 8.5</p> </div>  <div style="text-align: left;"> <p>radius = 4</p> </div> </div> <p style="margin-top: 20px;">Total area of both shapes is ??</p> <p>61= _____</p> | <p style="text-align: center;">SEMICIRCLE</p> <div style="text-align: center; margin-bottom: 20px;">  </div> <p style="text-align: center;">radius = 8</p> <p style="text-align: center; margin-top: 20px;">Area of semicircle</p> <p>62= _____</p> |
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63. $12! + 54$ ----- 63= _____

64. $(\text{deg}) \sin (56)$ ----- 64= _____

65. $\pi + 45 + 57.3$ ----- 65= _____

66. $(\text{deg}) \tan (46.8)$ ----- 66= _____

67. $e + 1.3 - 2.71828$ ----- 67= _____

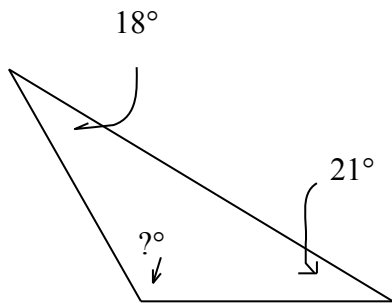
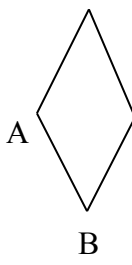
68. $(\text{deg}) \cos (23.4)$ ----- 68= _____

69. $(45.8 + 12.76)^{1/2}$ ----- 69= _____

70. $(\text{deg}) \cos (18)$ ----- 70= _____

71. Rylie has a bag of marbles that are all the same size but they are different colors. She has 23 green marbles and 17 blue marbles. She randomly picks a marble from the bag. What is the probability that she will pick a blue marble from the bag? ----- 71= _____

72. On the number line, how far is it from positive 34 to negative 51? ----- 72= _____

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| <p style="text-align: center;">SCALENE TRIANGLE</p>  <p style="text-align: center;">Missing angle measure ?</p> <p>73= _____</p> | <p style="text-align: center;">RHOMBUS</p>  <p style="text-align: center;">Perimeter of the rhombus ?</p> <p>74= _____</p> |
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- 75. $\log(480)$ ----- 75= _____
- 76. $\ln(487)$ ----- 76= _____
- 77. $34^{12.39}$ ----- 77= _____
- 78. $\log(10^{245})$ ----- 78= _____
- 79. e^{45} ----- 79= _____
- 80. $1 + 2 + 3 + 4 + \dots + 47 + 48$ ----- 80= _____