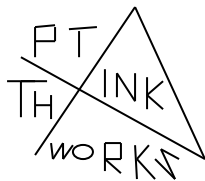


Score #1: _____	Score #2: _____	Score #3: _____	<hr/> <b>Final Score</b>
S & G _____	S & G _____	S & G _____	
Grader: _____	Grader: _____	Grader: _____	
Name: _____  School: _____  Grade: 4 <sup>th</sup> 5 <sup>th</sup>			



## Elementary Calculator #3

March 2, 2013

### 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 10<sup>7</sup>

Incorrect forms include: 14.50, 1.45(10)<sup>3</sup>, 1.450 x 10<sup>2</sup>, 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 2012-2013

## TEST #3

1.  $3,928 + 3,391$  ----- 1= \_\_\_\_\_

2.  $8,126 + 1,105$  ----- 2= \_\_\_\_\_

3.  $67,000 + 26,127 + 26,392$  ----- 3= \_\_\_\_\_

4.  $1,034 + (427 - 71)$  ----- 4= \_\_\_\_\_

5.  $513 - 7,423 - 858,011$  ----- 5= \_\_\_\_\_

6.  $2,136 + 643 - 204$  ----- 6= \_\_\_\_\_

7.  $58,203 - 721 - 98,331$  ----- 7= \_\_\_\_\_

8.  $298 - 173 \times 715$  ----- 8= \_\_\_\_\_

9.  $68 \times 2.4 \times 25 + 726$  ----- 9= \_\_\_\_\_

10.  $5,621 + 321 \times 41 + 652$  ----- 10= \_\_\_\_\_

11. Hailey joined the Tar Heels this season for basketball.  
In Hailey's final basketball game, the score was 32 to 19.  
What was the winning margin (the difference of the scores)?

11= \_\_\_\_\_ int.

12. Rylie has eighty coins, consisting of dimes, nickels,  
or quarters. Thirty of the coins are not dimes. She  
has 2 nickels. What is the value of her quarters?

12= \$ \_\_\_\_\_

13. Daryl and Lara were considering a trip to Banff. The  
distance from Nacogdoches to Lake Louise is 2,251  
miles. The return trip through Yellowstone NP totals  
2,508 miles. What was the trip's total projected mileage?

13= \_\_\_\_\_ int.

14.  $8.2548 + 68.40 + 0.100760$  ----- 14= \_\_\_\_\_

15.  $21 - 24.118 + 409.82$  ----- 15= \_\_\_\_\_

16.  $0.9100 + 43.119 + 56.024$  ----- 16= \_\_\_\_\_

17.  $831 + (523 - 328) + 8(12.1 + 1.298)$  ----- 17= \_\_\_\_\_

18.  $(81 - 63)(520 - 5 \times 289) + 606$  ----- 18= \_\_\_\_\_

19.  $0.902 \times 8.4 \times 27.1$  ----- 19= \_\_\_\_\_

20.  $71 \times 387 - 387 \times 76$  ----- 20= \_\_\_\_\_

21.  $.67138 + 93 \times \frac{3}{4}$  ----- 21= \_\_\_\_\_

22.  $8,982 \left[ \frac{3}{4} + \frac{1}{2} \right]$  ----- 22= \_\_\_\_\_

23.  $0.3920 + 0.891 - 921 \times 1.031$  ----- 23= \_\_\_\_\_

24. Lara gave 11 dresses to Allyson for Rylie. Six of the dresses were pink. What fraction of the dresses were not pink?

24= \_\_\_\_\_

25. Katelyn has fourteen dolls. One day she decided to measure the height of each doll. Two of the dolls were 18 inches long. Four were 20 inches long. The other heights were 19, 21, 11, 23, 29, 17, 23, and 19. What was the average height of her dolls?

25= \_\_\_\_\_

26. Bryan has decided to buy some land for a future home. If he pays \$48,495 for a 7 acre lot, what is the price per acre?

26= \$ \_\_\_\_\_

27.  $(0.0217) [(0.00331 / 0.2994) (0.89125 / 89.4)]$  ----- 27= \_\_\_\_\_

28.  $\frac{891+671}{691+638}$  ----- 28= \_\_\_\_\_

29.  $913.57 + (20.1 + 39) + 2(0.6023 + 3.9)$  ----- 29= \_\_\_\_\_

30.  $\frac{745+498}{7,156}$  ----- 30= \_\_\_\_\_

31.  $723 + 676 + 8,101 + 63 - 2,391.4$  ----- 31= \_\_\_\_\_

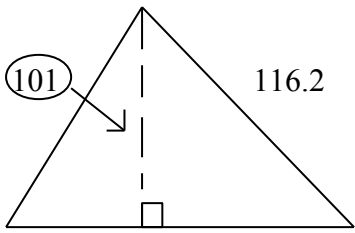
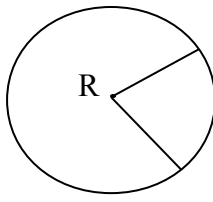
32.  $723 + 546 - 6,056 + 34 - 2,598.4$  ----- 32= \_\_\_\_\_

33.  $(29.6 - 23.71) + 198 - 43.128$  ----- 33= \_\_\_\_\_

34.  $\frac{8.9156}{9.0025} + 7.89$  ----- 34= \_\_\_\_\_

35. On his calculator test, Ayden stopped working after he completed problem 74. He missed 2 and skipped 1. What was his score on the test? 35= \_\_\_\_\_ int.

36.  $429^{837} = ?$  36= \_\_\_\_\_

<p style="text-align: center;"><b>TRIANGLE</b></p>  <p style="text-align: center;">143.5</p> <p style="text-align: right;">116.2</p> <p style="text-align: right;">AREA = ?</p> <p>37= _____</p>	<p style="text-align: center;"><b>CIRCLE R</b></p>  <p style="text-align: center;">Diameter = 98.35</p> <p style="text-align: center;">CIRCUMFERENCE = ?</p> <p>38= _____</p>
---	---

39.  $(52 + 9.4)^2 + \frac{95.34 + 82.78}{18.98}$  ----- 39= \_\_\_\_\_

40.  $(502 + 176)(398 + 147)(411 + 201)$  ----- 40= \_\_\_\_\_

41.  $(93.6 - 81) - 29.816 - 41.023$  ----- 41= \_\_\_\_\_

42.  $\sqrt{457 + 671 + 99.8}$  ----- 42= \_\_\_\_\_

43.  $55,012.31 - 803.9$  ----- 43= \_\_\_\_\_

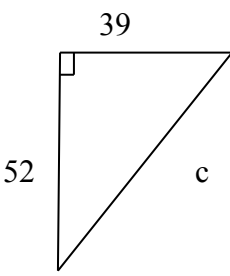
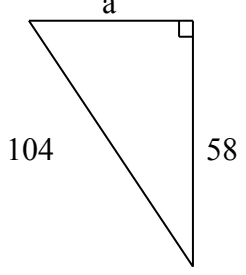
44.  $55 - 12 - 21.2 + 73 - 16.923$  ----- 44= \_\_\_\_\_

45.  $(679 + 39.8) \div (634 + 42.98)$  ----- 45= \_\_\_\_\_

46.  $\frac{9/24.7}{8.92/25.98}$  ----- 46= \_\_\_\_\_

47. Lindsey added the square root of 729 to the cube of 11. She increased the result by 219. She decreased this result by the cube of 1.02. What was her final result ? ----- 47= \_\_\_\_\_

48. Five consecutive positive integers (whole numbers) are added together. The sum of the five integers is 4,495. What is the largest of the five integers? ----- 48= \_\_\_\_\_ int.

<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 a = ?</p> <p>50= _____</p>
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51.  $\frac{892 - 452}{\sqrt{3,001,891}}$  ----- 51= \_\_\_\_\_

52.  $\frac{23.67 + \sqrt{87,091}}{2,923 + 768.23}$  ----- 52= \_\_\_\_\_

53.  $(23.43 + 58.34)^3$  ----- 53= \_\_\_\_\_

54.  $\sqrt{8,983} + (21.1773 + 1.925)^2$  ----- 54= \_\_\_\_\_

55.  $\sqrt{802,675} + 192 + 9.891 + 63.1$  ----- 55= \_\_\_\_\_

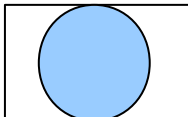
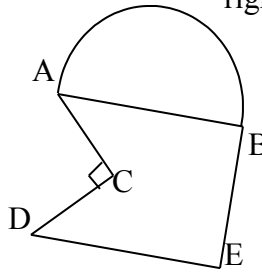
56.  $1,298 + \sqrt{56^2} + 45.91$  ----- 56= \_\_\_\_\_

57.  $\sqrt{5,928} + 78.265$  ----- 57= \_\_\_\_\_

58.  $(\text{deg}) \tan(38.9)$  ----- 58= \_\_\_\_\_

59. Jan drove to Killeen to help Allyson with her new baby boy. She left Spring at 10:30 AM and arrived in Killeen at 1:47 PM. If the distance from Spring to Killeen is 184 miles, what was her average speed in miles per hour on the trip?  
59= \_\_\_\_\_

60. After the posts are set, Bryan can install 10 sections of his new fence in 6 hours and 12 minutes. Ayden performed the same size task at a friend's house in 8 hours and 15 minutes. If they decided to install the same size fence in Papa's yard, how long would it take them if they worked together?  
60= \_\_\_\_\_

<p style="text-align: center;"><b>RECTANGLE AND CIRCLE</b></p> <div style="text-align: center;">  </div> <p style="text-align: right;">23.4 = width</p> <p>length = 31.7</p> <p>Calculate the total area that is inside the rectangle but outside of the circle.</p> <p>61= _____</p>	<p style="text-align: center;"><b>SEMICIRCLE &amp; Square with a missing right triangle</b></p> <div style="text-align: center;">  </div> <p style="text-align: right;">AB=20 AC=16 CD=12</p> <p style="text-align: center;">Area of complete figure ?</p> <p>62= _____</p>
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63.  $28! + 7! + 5! + 4! + 3!$ ----- 63= \_\_\_\_\_

64.  $(\text{deg}) \tan (31.65)$  ----- 64= \_\_\_\_\_

65.  $8\pi + 73 - 64.2$  ----- 65= \_\_\_\_\_

66.  $(\text{deg}) \cos (37.6) + \sin (54)$  ----- 66= \_\_\_\_\_

67.  $9.3e + 2(3.14159) - 2.71828$ ----- 67= \_\_\_\_\_

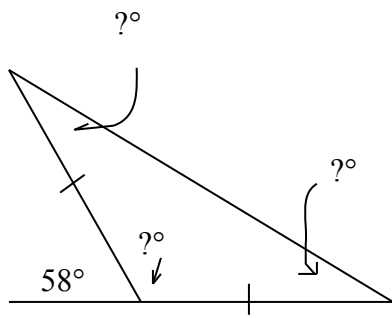
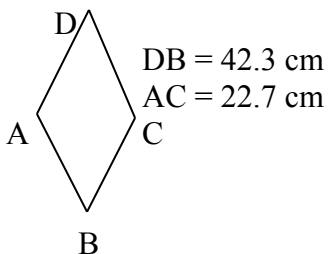
68.  $(\text{deg}) \sin(8.990)$  ----- 68= \_\_\_\_\_

69.  $(93.1 + 57.2)^{\frac{11}{14}}$  ----- 69= \_\_\_\_\_

70.  $(\text{deg}) \tan (65.4)$  ----- 70= \_\_\_\_\_

71. Ayden has a coin collection. He has 32 silver dollars, 73 quarters, 53 dimes, 24 nickels and 29 pennies. If he randomly chooses a coin from the collection, what is the probability that he will choose a silver dollar? ----- 71= \_\_\_\_\_

72. On the number line, how far is it from negative 103 to positive 989? ----- 72= \_\_\_\_\_ int.

<p style="text-align: center;"><b>ISOSCELES TRIANGLE</b></p>  <p>What is the angle measure of the smallest angle in the triangle?</p> <p>73= _____</p>	<p style="text-align: center;"><b>RHOMBUS ABCD</b></p>  <p style="text-align: center;">Area of the rhombus ?</p> <p>74= _____ cm<sup>2</sup></p>
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75.  $\text{Log}(84.73) + \text{Log}(56.71)$  ----- 75= \_\_\_\_\_
76.  $\text{Ln}(762.89)$  ----- 76= \_\_\_\_\_
77.  $56.2^{46} + 89.213956$  ----- 77= \_\_\_\_\_
78.  $\text{Log}(10^{592})$  ----- 78= \_\_\_\_\_
79.  $e^{92}$  ----- 79= \_\_\_\_\_
80.  $7 + 8 + 9 \dots + 355 + 356 + 357$  ----- 80= \_\_\_\_\_