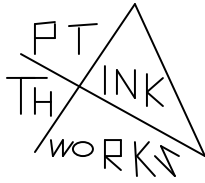


Score #1: _____	Score #2: _____	Score #3: _____	_____
S & G _____	S & G _____	S & G _____	<b>Final Score</b>
Grader: _____	Grader: _____	Grader: _____	
Name: _____			
School: _____			
Grade: 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup>			



## Elementary Calculator #6

2014-2015

### 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. ,  $1.45 \times 10$ ,  $1.45 \times 10^7$

Incorrect forms include: 14.50,  $1.45(10)^3$ ,  $1.450 \times 10^2$ , 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 2014-2015

## TEST #6

1.  $4362 + 2518$  ----- 1= \_\_\_\_\_

2.  $1492 - 586 + 1066$  ----- 2= \_\_\_\_\_

3.  $544763 + 408$  ----- 3= \_\_\_\_\_

4.  $27 \times 55 \times 48$  ----- 4= \_\_\_\_\_

5.  $608243 - 107348 - 298177$  ----- 5= \_\_\_\_\_

6.  $714 + 4192 + 660 - 1952$  ----- 6= \_\_\_\_\_

7.  $78354 - 58 - 53492$  ----- 7= \_\_\_\_\_

8.  $58733 - 314 \times 51$  ----- 8= \_\_\_\_\_

9.  $536 \times 301 \times 1818$  ----- 9= \_\_\_\_\_

10.  $(433 + 982) \times (18 + 401)$  ----- 10= \_\_\_\_\_

11. Allyson and Bryan are spending a week in New York. They have planned a budget which allows expenses of \$300 per day. How much do they plan to spend on their 7 day vacation?  
11= \$ \_\_\_\_\_

12. Mickey Mantle was a Hall of Fame baseball player who played his entire career for the New York Yankees. He hit 18 home runs in the 65 World Series games that he played. How many home runs per game did he average in his World Series career?  
12= \_\_\_\_\_

13. Daryl deposited \$18,500 in an investment account. He obtained an annual interest rate of 3%. At the end of one year, what was the value of the investment?  
13= \$ \_\_\_\_\_

14.  $0.4067 + 0.2015 + 0.5098$  ----- 14= \_\_\_\_\_

15.  $83^3 - 5789.34 \times 45.0087$  ----- 15= \_\_\_\_\_

16.  $20.15 + 56.781 + 34.672$  ----- 16= \_\_\_\_\_

17.  $[89 + (982 - 457)] + 6(3.78 + 0.056310)$  ----- 17= \_\_\_\_\_

18.  $(947 - 34)(785 - 4.83 \times 62) + 88^3$  ----- 18= \_\_\_\_\_

19.  $0.892 \times 90.34 \times 7.9370$  ----- 19= \_\_\_\_\_

20.  $2015 \times 2015 - 115 \times 2015$  ----- 20= \_\_\_\_\_

21.  $.0956 + 676 \times 5\frac{3}{4}$  ----- 21= \_\_\_\_\_

22.  $8739 [6\frac{1}{2} + 2\frac{3}{4}]$  ----- 22= \_\_\_\_\_

23.  $3.1415926 + 0.85 - 7\pi \times 9.002$  ----- 23= \_\_\_\_\_

24. Jan uses two pounds of ground beef in her lasagna recipe. Each recipe serves 10 people. If she plans on serving 30 people at her next dinner party, how many pounds of beef will she use to make the lasagna?

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

25. Nathan and Lindsey took a vacation to Puerto Rico. They flew 1418 miles from Raleigh to Puerto Rico. They spent 5 days on the small island of Vieques and they spent 3 days on the main island. They flew back to Raleigh at the end of 8 days. What was the total mileage they flew on their vacation?

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

26. Rylie read 4 books a day for 6 consecutive days. How many books did she read during this time period?

26= \_\_\_\_\_ int.

27.  $[(476 + 7) + 0.10354] (.055 / .921) + 8.4028131$  ----- 27=\_\_\_\_\_

28.  $5.724^4 + 28.92 + \sqrt{68155}$  ----- 28=\_\_\_\_\_

29.  $(487 - 29.8) + 8512 - 7291$  ----- 29=\_\_\_\_\_

30.  $\frac{\sqrt{78426}}{\sqrt{37281}} + \sqrt[5]{562842}$  ----- 30=\_\_\_\_\_

31.  $8092 + 46 \times 51 - 6509 + 2015 + 8.4$  ----- 31=\_\_\_\_\_

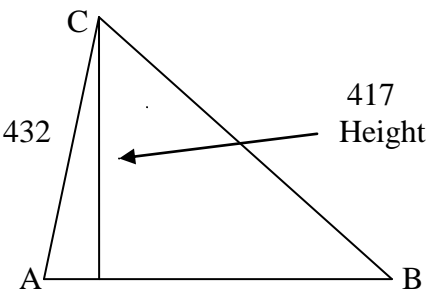
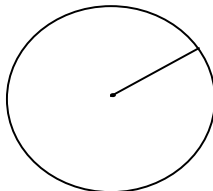
32.  $8092 + 45 \times 61 - 6509 + 2015 \times 8.4$  ----- 32=\_\_\_\_\_

33.  $(2525 - 2015) + 7237 - 99$  ----- 33=\_\_\_\_\_

34.  $\frac{782.047}{\sqrt{782.047}} + 48.32$  ----- 34=\_\_\_\_\_

35. On her calculator test, Ella stopped working after she completed problem #74. She missed 2 problems and skipped 4 problems. What was her score on the test? 35=\_\_\_\_\_ int.

36.  $892^{506}$  36=\_\_\_\_\_

TRIANGLE	CIRCLE
 <p style="text-align: center;">AREA = ?</p> <p>37=_____</p>	 <p style="text-align: center;">RADIUS = ?</p> <p style="text-align: center;">AREA = 509.23</p> <p>38=_____</p>

39.  $(1812 + 14.92)^3$  ----- 39= \_\_\_\_\_

40.  $\sqrt{50923 + 6297} - 22.8 + 1.835^3$  ----- 40= \_\_\_\_\_

41.  $(75 - 43.11) - 892 + 3428$  ----- 41= \_\_\_\_\_

42.  $892 + 4.291^2 + \frac{\sqrt{6723}}{\sqrt[6]{36284}}$  ----- 42= \_\_\_\_\_

43.  $19522015 - 9.401$  ----- 43= \_\_\_\_\_

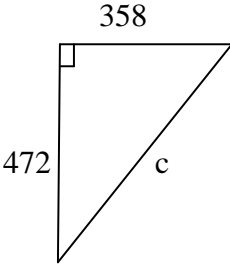
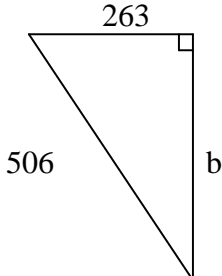
44.  $45^3 - 2015 - 78.2 - 925 - 18.3$  ----- 44= \_\_\_\_\_

45.  $402899 \div 89 \div 28$  ----- 45= \_\_\_\_\_

46.  $\frac{\sqrt{20096}}{\sqrt{20167}} - 58.1987$  ----- 46= \_\_\_\_\_

47. Multiply the cube of 17 by the square of 289. Now add the square of 16. Now decrease the total by 45 squared. What is the final result of the calculation? ----- 47= \_\_\_\_\_

48. Three consecutive positive integers are added together. The sum of the three integers is 3192. What is the value of the product of the three integers? ----- 48= \_\_\_\_\_

<p style="text-align: center;"><b>RIGHT TRIANGLE</b></p>  <p style="text-align: center;">Length of side c = ?</p> <p>49= _____</p>	<p style="text-align: center;"><b>RIGHT TRIANGLE</b></p>  <p style="text-align: center;">Area of the triangle = ?</p> <p>50= _____</p>
---	--

51.  $\sqrt[5]{2015328} + 1955^4 + 60 + \pi^7$  ----- 51= \_\_\_\_\_

52.  $(28! + 17!) + 8657.34 + 372$  ----- 52= \_\_\_\_\_

53.  $(2015 - 714.367)^3$  ----- 53= \_\_\_\_\_

54.  $(825 + 414)^3 + \text{Log}(738)$  ----- 54= \_\_\_\_\_

55.  $9836 - 803 + \sqrt{49823}$  ----- 55= \_\_\_\_\_

56.  $1776 - (\sqrt{67288})^2 - 1863 + 1941$  ----- 56= \_\_\_\_\_

57.  $8201 + \sqrt{21764} + 638 \times 25$  ----- 57= \_\_\_\_\_

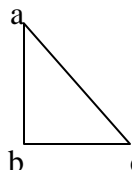
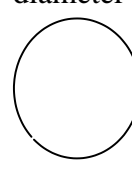
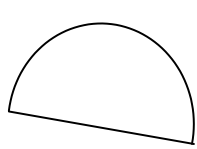
58.  $(\text{deg}) \cos(29^\circ) + \cos(29^\circ)$  ----- 58= \_\_\_\_\_

59. Wesley drove from Killeen to Nacogdoches in 3 hours and 12 minutes. His odometer read 22,948 when he left and read 23,153 when he arrived in Nacogdoches. What was his average speed in miles per hour for the trip?

59= \_\_\_\_\_

60. Katelyn mowed Papa's yard in 45 minutes. Ayden mowed Papa's yard on his visit in 38 minutes. If they used 2 mowers, how many minutes would it take them to mow the yard working together?

60= \_\_\_\_\_

RIGHT TRIANGLE AND CIRCLE	SEMICIRCLE
 <p style="margin-left: 100px;"><math>ab = 98.4</math>   <math>bc = 78.6</math></p> <p style="margin-left: 100px;">diameter = <math>1.25 \times bc</math></p>  <p>Total perimeter of both shapes is ??</p> <p>61= _____</p>	 <p>Area of semicircle = 902</p> <p>Diameter = ?</p> <p>62= _____</p>

63.  $12! + 56,282 + 23!$  ----- 63= \_\_\_\_\_

64.  $(\text{deg}) \sin(46^\circ) + \cos(17^\circ)$  ----- 64= \_\_\_\_\_

65.  $2015\pi^4 + 983 + 5e^6$  ----- 65= \_\_\_\_\_

66.  $(\text{rad}) \cos(4\pi) + \tan(0.4\pi)$  ----- 66= \_\_\_\_\_

67.  $7! + 2010 - (3.1415926)$  ----- 67= \_\_\_\_\_

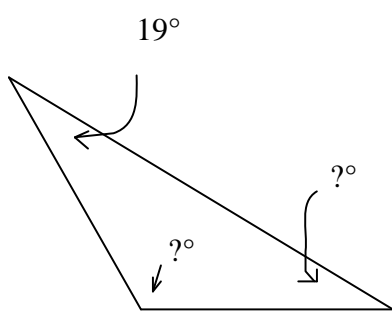
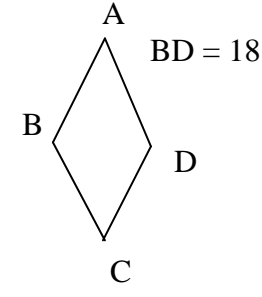
68.  $(\text{deg}) \tan(57^\circ) + \sin(32^\circ)$  ----- 68= \_\_\_\_\_

69.  $(98.6 + 212.8)^{5.72}$  ----- 69= \_\_\_\_\_

70.  $(\text{rad}) \cos(2\pi) + \log(2015)$  ----- 70= \_\_\_\_\_

71. Hailey began a conditioning program for her next basketball season. She planned to jog 2 miles on Monday, Wednesday and Friday. She planned to jog 3 miles on Tuesday and Thursday each week. She planned to rest on Saturday and Sunday. If she followed this schedule for 4 weeks, how many miles would she jog in 4 weeks? ----- 71= \_\_\_\_\_

72. On the number line, how far is it from positive 28 to positive 705? ----- 72= \_\_\_\_\_ int.

<p style="text-align: center;"><b>ISOSCELES TRIANGLE</b></p>  <p style="text-align: center;">Measure of the larger missing angle?</p> <p>73= _____</p>	<p style="text-align: center;"><b>RHOMBUS ABCD</b></p>  <p style="text-align: center;">Area of the rhombus = 378</p> <p style="text-align: center;">AC = ?</p> <p>74= _____</p>
---	---

75.  $\text{Log}(1996)$  ----- 75= \_\_\_\_\_

76.  $\text{Ln}(78.6 + 14.28)$  ----- 76= \_\_\_\_\_

77.  $2015^{8.03} + 56^{3.45}$  ----- 77= \_\_\_\_\_

78.  $\text{Log}(10^{536}) + \text{Log}(10^{511})$  ----- 78= \_\_\_\_\_

79.  $2010 + e^{2010}$  ----- 79= \_\_\_\_\_

80.  $45 + 46 + 47 + 48 + \dots + 395 + 396 + 397$  ----- 80= \_\_\_\_\_