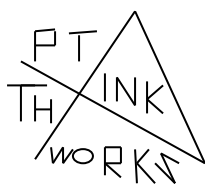


Score #1: _____	Score #2: _____	Score #3: _____	_____
S & G _____	S & G _____	S & G _____	Final Score
Grader: _____	Grader: _____	Grader: _____	
Name: _____			
School: _____			
Grade: 4 th 5 th			



Elementary Calculator #2

January 21, 2012

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. , 1.45×10 , 1.45×10^7

Incorrect forms include: 14.50, $1.45(10)^3$, 1.450×10^2 , 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 2011-2012

TEST #2

1. $(235 + 717) + 4,239$ ----- 1= _____
2. $76^2 - 460 + 5,457$ ----- 2= _____
3. $12,400 + 32,568$ ----- 3= _____
4. $45 \times 36 \times 89$ ----- 4= _____
5. $832,751 - 193,340 - 456,101$ ----- 5= _____
6. $785 + 8,236 + 223 - 5,417$ ----- 6= _____
7. $87,290 - 491 - 25,398$ ----- 7= _____
8. $7,511 - 248 \times 34$ ----- 8= _____
9. $890 \times 210 \times 125$ ----- 9= _____
10. $(187 + 927) \times 54 + 218$ ----- 10= _____
11. Rylie likes to read several short books before bedtime. On Tuesday, she read 7 books. On Thursday, she read 8 more books than she read on Tuesday. How many total books did she read on Tuesday and Thursday? 11= _____ int.
12. Ayden has helped produce four creative videos. After editing, each video averaged 5 minutes in length. What was the total length in seconds of the 4 videos? 12= _____ int.
13. Tim Tebow is the quarterback of the Denver Broncos. In the last game of the regular season, he completed 6 passes for a total of 60 yards. In the first playoff game, he gained 316 yards passing. What was his total passing yardage for the two games? 13= _____ int.

14. $0.0899 + 5.28 + 0.00325$ ----- 14= _____
15. $898 - 9.350 + 83.0008$ ----- 15= _____
16. $8.2561 + 2.900 + 78.109$ ----- 16= _____
17. $[89 + (786 - 93)] + 5(27 + 0.900000)$ ----- 17= _____
18. $(87 - 93)(96 - 3 \times 125) + 933$ ----- 18= _____
19. $0.616 \times 83.15 \times 4.27$ ----- 19= _____
20. $87 \times 347 - 347 \times 77$ ----- 20= _____
21. $.0001 + 84 \times \frac{3}{4}$ ----- 21= _____
22. $6000 [\frac{3}{4} + \frac{3}{4}]$ ----- 22= _____
23. $0.689 + 0.0098 - 35 \times 5.002$ ----- 23= _____
24. Allyson has 786 friends on her Facebook site.
She received messages from 237 of her friends during
December. How many of her friends did not send
Allyson a message in December? 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 23 weeks? 25= _____
26. Nathan and Lindsey live in Blacksburg, Virginia.
They often drive from Blacksburg to Raleigh.
If they average 60 miles per hour for the 194 mile trip,
how long will the trip take them in hours? 26= _____

27. $(0.0981) [(128 + 43) / 0.06557] (0.897 / .023)$ ----- 27= _____

28. $567 + 321 \div 346 - 389$ ----- 28= _____

29. $(457 - 62.7) + 277 - 58$ ----- 29= _____

30. $\frac{(56+458)}{5+45+592}$ ----- 30= _____

31. $788 + 23 \times 57 - 24,312 + 98 + 34$ ----- 31= _____

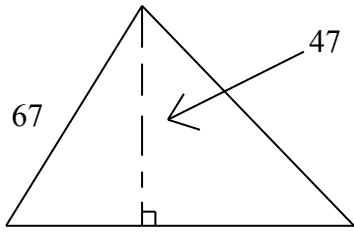
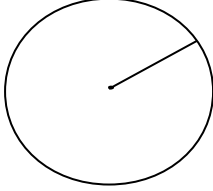
32. $846 + 23 \times 57 + 24,562 + 98 \times 712$ ----- 32= _____

33. $(888 - 819) + 781 - 73$ ----- 33= _____

34. $\frac{24/6}{65/5}$ ----- 34= _____

35. On her calculator test, Hailey stopped working after she completed problem 71. She missed 2 and skipped 1. What was her score on the test? 35= _____ int.

36. $714^{756} =$ 36= _____

TRIANGLE	CIRCLE
 <p style="text-align: center; margin-top: 10px;">98</p> <p style="text-align: center; margin-top: 10px;">AREA = ?</p>	 <p style="text-align: center; margin-top: 10px;">RADIUS = 84</p> <p style="text-align: center; margin-top: 10px;">CIRCUMFERENCE = ?</p>
37= _____	38= _____

39. $(73 + 59.8)^2 + \sqrt{576}$ ----- 39= _____

40. $89 + 67 / .45^6$ ----- 40= _____

41. $(76 - 33.5) - 76 + 659$ ----- 41= _____

42. $\sqrt{729} + 27^2$ ----- 42= _____

43. $71,483 - 65,989.265$ ----- 43= _____

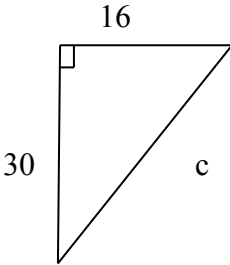
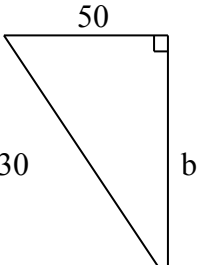
44. $7^2 - 87 - 55.8 - 232 - 87$ ----- 44= _____

45. $100 \div 25 \div 5$ ----- 45= _____

46. $\frac{56/7}{48/6}$ ----- 46= _____

47. Add the cube of 187 to the square of 43. Now decrease the result by 5^3 . Now increase this result by the square of 22. What is the result now? ----- 47= _____

48. Three consecutive positive integers (whole numbers) are added together. The sum of the three integers is 123. What is the smallest of the three integers? ----- 48= _____

<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. $\frac{\sqrt{56+44}+83+17}{8!}$ ----- 51= _____

52. $\frac{58+34.6^{12}}{\sqrt{25}}$ ----- 52= _____

53. $(921 - 80.5)^2$ ----- 53= _____

54. $\sqrt{441} + (768 + 253)^2$ ----- 54= _____

55. $981 - 81 + \sqrt{484}$ ----- 55= _____


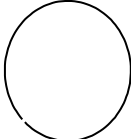

56. $981 - 43 - \sqrt{729} - 12 + 12$ ----- 56= _____

57. $\sqrt{4900} + 2 \times 35$ ----- 57= _____

58. $(\text{deg}) \tan (30)$ ----- 58= _____

59. Bryan drove his car from Killeen to Marlin. He traveled 63 miles. He left Killeen at 6:00 am and arrived in Marlin at 7:15 am. What was his average speed in miles per hour? 59= _____

60. Ayden can put together his USA puzzle in 8 minutes. Hailey can assemble the same puzzle in 6 minutes. If they work together on the puzzle in a cooperative manner, how many minutes should it take them to assemble the puzzle? 60= _____

RECTANGLE AND CIRCLE	SEMICIRCLE
<div style="display: flex; align-items: center; gap: 20px;"> <div style="text-align: center;">  <p>6.8 = width</p> </div> <div style="text-align: center;">  <p>diameter = 7.6</p> </div> </div> <p>length = 12.2</p> <p>Total perimeter of both shapes is ??</p> <p>61= _____</p>	<div style="text-align: center;">  <p>radius = 11.3</p> </div> <p>Perimeter of semicircle??</p> <p>62= _____</p>

63. $9! + 10!$ ----- 63= _____

64. $(\text{deg}) \cos (62)$ ----- 64= _____

65. $5\pi + 83 + 3.7$ ----- 65= _____

66. $(\text{deg}) \tan (120)$ ----- 66= _____

67. $6e + 457 - 6(2.71828)$ ----- 67= _____

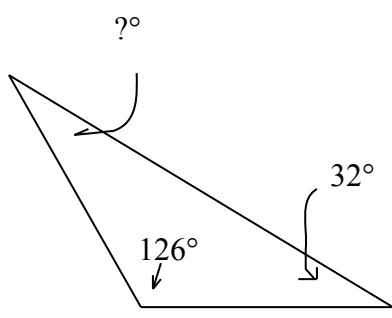
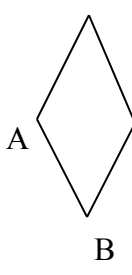
68. $(\text{deg}) \cos (57.9)$ ----- 68= _____

69. $(64 + 125)^{\frac{2}{3}}$ ----- 69= _____

70. $(\text{rad}) \cos (3\pi + 30)$ ----- 70= _____

71. Rylie has a collection of bows that are all the same size but are different colors. She has 12 red bows, 6 green bows, 5 yellow bows, and 8 blue bows. If she randomly picks a bow from the collection, what is the probability that she will pick a green bow? ----- 71= _____

72. On the number line, how far is it from negative 46 to negative 77? ----- 72= _____

SCALENE TRIANGLE	RHOMBUS
 <p style="text-align: center;">Missing angle measure ?</p> <p>73= _____</p>	 <p style="text-align: center;">Perimeter = 65.4</p> <p style="text-align: center;">Length from A to B ?</p> <p>74= _____</p>

- 75. $\text{Log}(675)$ ----- 75= _____
- 76. $\text{Ln}(324)$ ----- 76= _____
- 77. $56^{5.34} + 34^{6.21}$ ----- 77= _____
- 78. $\text{Log}(10^{354})$ ----- 78= _____
- 79. $35 + e^3$ ----- 79= _____
- 80. $1 + 2 + 3 + 4 + \dots + 46 + 47$ ----- 80= _____