

# PRE-ALGEBRA

Start Time: \_\_\_\_\_ End Time: \_\_\_\_\_

SAMPLE SECTION: I [GOAL: 10-15 Min., All Correct]

Score: \_\_\_\_\_/20

Calculate the following. Round to 2 decimals:

1. 2.7% of 58

2. 4.7% of 113

3. 2.4% of 2

4. 2.3% of 156

5. 2.7% of 171

6. 2.5% of 118

7. 4.3% of 116

8. 4.2% of 7

9. 0.4% of 131

10. 4.1% of 191

11. 3.1% of 6

12. 3.3% of 67

*Integers. Calculate the following:*

13.  $-70 + (-26) + (-97)$

14.  $-70 + (-13) + 71$

15.  $-51 + (-88) + 77$

16.  $+69 - (-96) + (-51)$

17.  $79 + 92 + (-83)$

18.  $62 + (-24) + (-92)$

19.  $62 + 60 + 58$

20.  $-61 + (-21) + (-54)$

SAMPLE

Score: \_\_\_\_\_/15

**Integers. Calculate the following:**

1.  $75 - (-56) - \underline{\hspace{2cm}} = 60$

2.  $49 - (-82) - \underline{\hspace{2cm}} = 219$

3.  $91 - \underline{\hspace{2cm}} - (-59) = 67$

4.  $43 + (-67) - \underline{\hspace{2cm}} = 25$

5.  $-55 - \underline{\hspace{2cm}} + 91 = -61$

6.  $\underline{\hspace{2cm}} - 82 - (-71) = 86$

7.  $-75 - (-89) - \underline{\hspace{2cm}} = 69$

8.  $50 + \underline{\hspace{2cm}} + (-98) = -133$

9.  $\underline{\hspace{2cm}} - 57 - (-72) = 108$

10.  $93 + (-67) - \underline{\hspace{2cm}} = -50$

**Word Problems:**

11. Norma spent 30% of her time playing outside. She spent the remaining time playing inside. She spent 42 minutes playing inside. How much total time did she play?

12. The stationmaster reports that 75% of the trains are running on time. There are 120 trains running. How many of them are late?

13. Joan charges \$4 per hour for babysitting. Last year she used to charge \$3.50 per hour. What is the percentage increase in her charges per hour?

14. Jim caught 55 fish. He kept 80% of them and threw back the rest in the water. How many did he throw back into the water?

15. Sheila spent \$390 on clothing. 15% of that is for Anna and 25% for Britney. She spent the rest for herself. How much did she spend for herself?