

PRE-ALGEBRA

Start Time: _____ End Time: _____

SAMPLE SECTION: I [GOAL: 10-15 Min., All Correct] Score: _____/18**Percent:**

1. 5% of 60

2. 20% of 65

3. 6% of 150

4. 10% of 190

5. 10% of 30

6. 25% of 148

7. 15% of 140

8. 40% of 80

9. 8% of 50

10. 26% of 50

11. 32% of 50

12. 20% of 125

Calculate up to two decimals:

13) $10.4 \times 7.6 + 10 \frac{3}{5}$

14) $11 \frac{2}{5} \div 7.1 + 20.8$

15) $16.5 \div 9 \frac{9}{10} + 20.1$

16) $15 \frac{9}{10} \div 5.5 + 18$

17) $10 \frac{2}{5} + 5.8 \times 19.7$

18) $11 \frac{4}{5} + 4.1 \div 11.7$

SAMPLE

Score: _____/16

Review - Write the prime factorization of the following:

1. 88

2. 175

3. 198

4. 225

5. 87

6. 111

7. 144

8. 255

9. 625

10. Find the G.C.F. and L.C.M. of: 42, 56 and 70.

11. **14** is the GCF of 126 and _____

a) 42

b) 70

c) 84

d) 252

12. LCM of two numbers is **81**. The numbers are:

a) 81 and 27

b) 162 and 37

c) 9 and 54

d) 27 and 54

Word Problems:

13. Jenny bought a 5-yd piece of cloth for \$52. She got an extra 0.5-yard from the store without having to pay for it. What did the cloth cost per yard? Choose the closest answer.

a) \$8

b) \$8.50

c) \$9

d) \$9.50

14-16. Amy and Tara have 99¢ in pennies and dimes. Tara has 8/11 of the value of coins.

14. What is the value of Amy's coins?

15. Most of Tara's coins are dimes. How many total coins does she have?

16. Amy has as many pennies as Tara has dimes. How many coins does Amy have?
