

## PRACTICE 212 SILLS TEST—C

Passing criterion is AT LEAST 26 OF 30 correct in 45 MINUTES

You may NOT use a CALCULATOR

**I. Rewrite as a PRODUCT OF PRIMES.** If the given number is prime, write 'PRIME.'

1.  $84 =$

2.  $124 =$

3.  $143 =$

4.  $211 =$

5.  $900 =$

6.  $503 =$

**II. Find the GREATEST COMMON FACTOR or LEAST COMMON MULTIPLE**

7.  $GCF(90,36) =$

8.  $LCM(90,36) =$

9.  $GCF(195,156) =$

10.  $LCM(195,156) =$

11.  $GCF(37,43) =$

12.  $LCM(37,43) =$

13.  $GCF(45,60,135) =$

14.  $LCM(45,60,135) =$

**III. TRUE or FALSE. Circle your answer.**

15. T F 8 is a factor of 832

16. T F 90009 is a multiple of 9.

**IV. Fill in the blank frame with the SIMPLEST NAME for a fraction.**

17.  $\frac{4}{3} +$    $= \frac{35}{6}$

18.  $\frac{5}{18} - \frac{1}{12} =$

19.   $- \frac{9}{10} = \frac{11}{15}$

20.  $\left(\frac{5}{6} \times \frac{3}{10}\right) \times 36 =$

21.   $\times \frac{5}{12} = \frac{2}{5}$

22.  $\left(5\frac{3}{8}\right) \times 7 =$

23.  $\frac{7}{8} \div$    $= \frac{3}{4}$

24.   $\div \frac{5}{6} = \frac{15}{2}$

25.  $\frac{2}{7} = \frac{\text{input}}{5}$

26.  $\frac{1}{5} \times \left(\frac{9}{7} + \text{input}\right) = \left(\frac{1}{5} \times \frac{9}{7}\right) + \left(\frac{1}{5} \times \frac{4}{9}\right)$

**V. Fill in the blank with the INTEGER answer**

27.  $^{-}7 - ^{+}12 =$

28.  $^{-}4 \times ^{-}10 =$

29.  $^{+}12 \div ^{-}4 =$

30.  $^{-}10 + ^{+}12 =$

## ANSWERS—C

1.  $2 \times 2 \times 3 \times 7$
2.  $2 \times 2 \times 31$
3.  $11 \times 13$
4. Prime
5.  $2 \times 2 \times 3 \times 3 \times 5 \times 5$
6. Prime
7.  $2 \times 3 \times 3$  or 18
8.  $2 \times 2 \times 3 \times 3 \times 5$
9.  $3 \times 13$
10.  $3 \times 4 \times 5 \times 13$
11. 1
12.  $37 \times 43$
13. 15
14.  $2 \times 2 \times 3 \times 3 \times 3 \times 5$
15. True
16. True
17.  $\frac{9}{2}$
18.  $\frac{7}{36}$
19.  $\frac{49}{30}$
20. 9
21.  $\frac{24}{25}$
22.  $\frac{301}{8}$
23.  $\frac{7}{6}$
24.  $\frac{25}{4}$
25.  $\frac{10}{7}$
26.  $\frac{4}{9}$
27. -19
28. 40
29. -3
30. 2