

## PRACTICE 212 SILLS TEST—B

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.  $191 = \boxed{\phantom{000}}$

2.  $237 = \boxed{\phantom{000}}$

3.  $89 = \boxed{\phantom{000}}$

4.  $455 = \boxed{\phantom{000}}$

5.  $507 = \boxed{\phantom{000}}$

6.  $173 = \boxed{\phantom{000}}$

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

7.  $\text{GCF}(250, 75) = \boxed{\phantom{000}}$

8.  $\text{LCM}(250, 75) = \boxed{\phantom{000}}$

9.  $\text{GCF}(54, 125) = \boxed{\phantom{000}}$

10.  $\text{LCM}(54, 125) = \boxed{\phantom{000}}$

11.  $\text{GCF}(54, 135) = \boxed{\phantom{000}}$

12.  $\text{LCM}(54, 135) = \boxed{\phantom{000}}$

13.  $\text{GCF}(53, 106, 159) = \boxed{\phantom{000}}$

14.  $\text{LCM}(53, 106, 159) = \boxed{\phantom{000}}$

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

15. **T F** 59 is a factor of 239.

16. **T F** 59 is a multiple of 1.

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

17.  $\frac{7}{12} + \boxed{\phantom{000}} = \frac{17}{18}$

18.  $\frac{11}{15} - \frac{3}{10} = \boxed{\phantom{000}}$

19.  $\boxed{\phantom{000}} - \frac{3}{7} = \frac{16}{21}$

20.  $\left(\frac{5}{6} \times \frac{7}{10}\right) \times 24 = \boxed{\phantom{000}}$

21.  $\boxed{\phantom{000}} \times \frac{7}{18} = \frac{14}{3}$

22.  $\left(7\frac{3}{5}\right) \times 6 = \boxed{\phantom{000}}$

23.  $\frac{2}{7} \div \boxed{\phantom{000}} = \frac{1}{8}$

24.  $\boxed{\phantom{000}} \div \frac{6}{5} = \frac{3}{10}$

25.  $\frac{1}{8} = \frac{\boxed{\phantom{000}}}{6}$

26.  $\frac{2}{7} \times \left(\frac{12}{35} \times \boxed{\phantom{000}}\right) = \left(\frac{2}{7} \times \frac{12}{35}\right) \times \frac{9}{10}$

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

27.  $+12 - -10 = \boxed{\phantom{000}}$

28.  $-12 \times -10 = \boxed{\phantom{000}}$

29.  $-12 \div +4 = \boxed{\phantom{000}}$

30.  $+10 + -12 = \boxed{\phantom{000}}$

## ANSWERS—B

1. Prime
2.  $3 \times 79$
3. Prime
4.  $5 \times 7 \times 13$
5.  $3 \times 13 \times 13$
6. Prime
7.  $5 \times 5$
8.  $2 \times 3 \times 5 \times 5 \times 5$
9. 1
10.  $54 \times 125$
11. 27
12.  $2 \times 5 \times 27$
13. 53
14.  $2 \times 3 \times 53$
15. True
16. False
17.  $\frac{13}{36}$
18.  $\frac{13}{30}$
19.  $\frac{25}{21}$  or  $1\frac{4}{21}$
20. 14
21. 12
22.  $\frac{228}{5}$  or  $45\frac{3}{5}$
23.  $\frac{16}{7}$
24.  $\frac{9}{25}$
25.  $\frac{9}{10}$
26.  $\frac{3}{4}$
27. +22
28. 120
29. -3
30. -2