

PRACTICE 212 SILLS TEST—A

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. $213 =$

2. $139 =$

3. $377 =$

4. $272 =$

5. $98 =$

6. $131 =$

II. Find the GREATEST COMMON FACTOR or LEAST COMMON MULTIPLE

7. $GCF(45,60) =$

8. $LCM(45,60) =$

9. $GCF(106,203) =$

10. $LCM(106,203) =$

11. $GCF(201,67) =$

12. $LCM(201,67) =$

13. $GCF(18,12,34) =$

14. $LCM(18,12,34) =$

III. TRUE or FALSE. Circle your answer.

15. **T F** 59 is a factor of 119.

16. **T F** 750 is a multiple of 25.

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

17. $\frac{11}{15} +$ $= \frac{9}{10}$

18. $\frac{23}{24} - \frac{3}{8} =$

19. $- \frac{7}{30} = \frac{9}{10}$

20. $\left(\frac{5}{9} \times \frac{17}{30}\right) \times 36 =$

21. $\times \frac{5}{12} = \frac{15}{2}$

22. $\left(9\frac{7}{8}\right) \times 9 =$

23. $\frac{1}{5} \div$ $= \frac{1}{3}$

24. $\div \frac{9}{8} = \frac{2}{3}$

25. $\frac{4}{5} = \frac{\text{input}}{4}$

26. $\frac{4}{9} \times \left(\frac{27}{16} \times \text{input}\right) = \left(\frac{4}{9} \times \frac{27}{16}\right) \times \frac{8}{27}$

V. Fill in the blank with the INTEGER answer

27. $-12 - -10 =$

28. $+12 \times -10 =$

29. $-12 \div -4 =$

30. $-10 + -12 =$

ANSWERS—A

1. 3×71
2. Prime
3. 13×29
4. $2 \times 3 \times 3 \times 19$
5. $2 \times 7 \times 7$
6. Prime
7. 15
8. $3 \times 3 \times 4 \times 5$
9. 1
10. 106×203
11. 67
12. 201
13. 2
14. $2 \times 2 \times 3 \times 3 \times 17$
15. False
16. True
17. $\frac{1}{6}$
18. $\frac{7}{12}$
19. $\frac{17}{15}$
20. $\frac{34}{3}$
21. 18
22. $\frac{711}{8}$
23. $\frac{3}{5}$
24. $\frac{3}{4}$
25. $\frac{16}{5}$
26. $\frac{8}{27}$
27. -2
28. -120
29. 3
30. -2