Name _____

Date _____

Unit 2 Test:
Two Plus You

Use the blank paper provided to solve problems and do calculations, as necessary.

Write the following numbers out in words.   **[4 points each; 24 points total]**

1.   560,342   _____

_____

2.   93,755,678 _____

_____

3. $\dfrac{12}{18}$ _____

4. $5\dfrac{3}{5}$ _____

5.   2.325   _____

_____

6.   47.5   _____

Choose < or > or = to make each math statement true.

[2 points each; 18 points total]

7. −45 ___ 40

8. $|-3|$ ___ 2

9. $|76|$ ___ $|-76|$

10. .813 ___ .81294565

11. −7 ___ −12

12. $\dfrac{3}{13}$ ___ $\dfrac{6}{13}$

13. $\dfrac{7}{8}$ ___ $\dfrac{7}{10}$

14. $\dfrac{3}{4}$ ___ $\dfrac{12}{16}$

15. 1.002 ___ .999

Solve the following problems. Write each solution on the line provided.

[2 points each; 30 points total]

16. −3 + 5 = _____

17. −5 − (−7) = _____

18. 14 x 5 = _____

19. 267 + 135 = _____

20. 162 − 34 = _____

21. 17 x 12 = _____

22. 45 ÷ 9 = _____

23. $5\overline{)237}$ = _____

24. −6 x 3 = _____

25. −3 x −5 _____

26. 25% of 44 = _____

27. 9 is what percent of 18? _____

28. $\dfrac{3}{5}$ = _____%

29. 7% of $5.82 = $ _____

30. $\dfrac{10}{3}$ = _____

Factor the following numbers. Write each number as the product of prime factors.
Show all work.   **[4 points each; 8 points total]**

31. 28   **32.** 45

Find the GCF (Greatest Common Factor).   **[5 points each; 10 points total]**

33. 30 and 60   **34.** 72 and 81

Find the LCM (Least Common Multiple) of   **[5 points each; 10 points total]**

35. 8 and 24   **36.** 25 and 100

ೞ End of ACRES Unit 2 Two Plus You Test ೞ

ACRES Two Plus You
Unit 2 Test Answer Key

Total = 100 pts.

Questions 1 through 6:   4 pts. each; total = 24 pts.

1. Five hundred sixty thousand, three hundred forty-two.

2. Ninety-three million, seven hundred fifty-five, six hundred seventy-eight.

3. Twelve eighteenths.

4. Five and three-fifths.

5. Two and three hundred twenty-five thousandths.

6. Forty-seven and five tenths.

Questions 7 through 15:   2 pts. each; total = 18 pts.

7. **<**   8. **>**   9. =   10. **>**

11. **>**   12. **<**   13. **>**   14. =   15. **>**

Questions 16 through 30:   2 pts. each; total = 30 pts.

16. 2   17. 2   18. 70   19. 402

20. 128   21. 204   22. 5   23. 47.4

24. −18   25. 15   26. 11   27. 50%

28. 60%   29. $.41   30. $.\overline{3}$

Questions 31 and 32:   4 pts. each; total = 8 pts.

31.   28
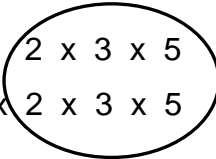   /   \
            2   14
                  /   \
                2   7

   28 = 2 x 2 x 7
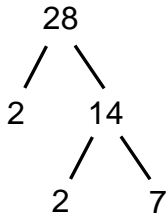
32.   45
                  /   \
                5   9
                       /   \
                     3   3
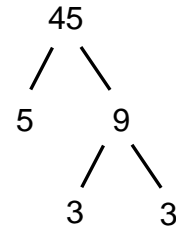
   45 = 3 x 3 x 5

Questions 33 through 36:   5 pts. each; total = 20 pts.

33. 30 =   2 x 3 x 5
     60 = 2 x 2 x 3 x 5

   GCF = 30
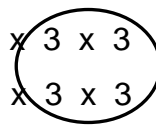
34. 72 = 2 x 2 x 2 x 3 x 3
     81 =   3 x 3 x 3 x 3

   GCF = 9

35. 8 = 8, 16, 24, 32
     24 = 24, 48   **LCM = 24**

36. 25 = 25, 50, 75, 100
     100 = 100, 200, 300   **LCM = 100**

� End of Unit 2 Two Plus You Test Answer Key Ꮕ