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. \( \frac{12}{18} \)
   ________________________________

4. \( 5 \frac{3}{5} \)
   ________________________________

5. 2.325
   ________________________________
   ________________________________

6. 47.5
   ________________________________
Choose $<$ or $>$ or $=$ to make each math statement true.

[2 points each; 18 points total]

7. $-45 \underline{\hspace{1cm}} 40$
8. $|-3| \underline{\hspace{1cm}} 2$
9. $|76| \underline{\hspace{1cm}} |-76|$

10. $0.813 \underline{\hspace{1cm}} 0.81294565$
11. $-7 \underline{\hspace{1cm}} -12$
12. $\frac{3}{13} \underline{\hspace{1cm}} \frac{6}{13}$

13. $\frac{7}{8} \underline{\hspace{1cm}} \frac{7}{10}$
14. $\frac{3}{4} \underline{\hspace{1cm}} \frac{12}{16}$
15. $1.002 \underline{\hspace{1cm}} 0.999$

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

[2 points each; 30 points total]

16. $-3 + 5 = \underline{\hspace{2cm}}$

17. $-5 - (-7) = \underline{\hspace{2cm}}$

18. $14 \times 5 = \underline{\hspace{2cm}}$

19. $267 + 135 = \underline{\hspace{2cm}}$

20. $162 - 34 = \underline{\hspace{2cm}}$

21. $17 \times 12 = \underline{\hspace{2cm}}$
22. \( 45 \div 9 = \) _____

23. \( \sqrt[5]{237} = \) _____

24. \(-6 \times 3 = \) _____

25. \(-3 \times -5 = \) _____

26. 25% of 44 = _____

27. 9 is what percent of 18? _____

28. \( \frac{3}{5} = \) _____%

29. 7% of $5.82 = $ _____

30. \( \frac{10}{3} = \) _____
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

End of ACRES Unit 2 Two Plus You Test
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. >


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. .3
Questions 31 and 32: 4 pts. each; total = 8 pts.

31. 
\[
\begin{array}{c}
28 \\
\downarrow \\
2 \\
\downarrow \\
2 \\
\downarrow \\
2
\end{array}
\]

\[28 = 2 \times 2 \times 7\]

32. 
\[
\begin{array}{c}
45 \\
\downarrow \\
5 \\
\downarrow \\
3 \\
\downarrow \\
3
\end{array}
\]

\[45 = 3 \times 3 \times 5\]

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

33. 
\[
\begin{array}{c}
30 = \\
\downarrow \\
2 \\
\downarrow \\
2 \\
\downarrow \\
2
\end{array}
\]

\[30 = 2 \times 3 \times 5\]

\[
\begin{array}{c}
60 = \\
\downarrow \\
2 \\
\downarrow \\
2 \\
\downarrow \\
3 \\
\downarrow \\
5
\end{array}
\]

\[60 = 2 \times 2 \times 3 \times 5\]

\[\text{GCF} = 30\]

34. 
\[
\begin{array}{c}
72 = \\
\downarrow \\
2 \\
\downarrow \\
2 \\
\downarrow \\
2
\end{array}
\]

\[72 = 2 \times 2 \times 2 \times 3 \times 3\]

\[
\begin{array}{c}
81 = \\
\downarrow \\
3 \\
\downarrow \\
3
\end{array}
\]

\[81 = 3 \times 3 \times 3 \times 3\]

\[\text{GCF} = 9\]

35. 
\[
\begin{array}{c}
8 = \\
\downarrow \\
8 \\
\downarrow \\
2
\end{array}
\]

\[8 = 8, 16, 24, 32\]

\[
\begin{array}{c}
24 = \\
\downarrow \\
24 \\
\downarrow \\
24
\end{array}
\]

\[24 = 24, 48\]

\[\text{LCM} = 24\]

36. 
\[
\begin{array}{c}
25 = \\
\downarrow \\
25 \\
\downarrow \\
25
\end{array}
\]

\[25 = 25, 50, 75, 100\]

\[
\begin{array}{c}
100 = \\
\downarrow \\
100 \\
\downarrow \\
200 \\
\downarrow \\
300
\end{array}
\]

\[100 = 100, 200, 300\]

\[\text{LCM} = 100\]