

Name: _____

Grade 7: Pre-Algebra Summer Assignment

Show all work and answers on loose-leaf paper.

NO CALCULATOR – Teachers will expect you to know how to compute with all numbers without the use of a calculator.

For Exercises 1-16, find the sum or difference.

1. $\frac{2}{5} + \frac{7}{9}$

2. $\frac{3}{4} + \frac{5}{6}$

3. $\frac{3}{4} - \frac{1}{5}$

4. $\frac{8}{9} + \frac{7}{15}$

5. $9\frac{8}{10} + 8\frac{2}{10}$

6. $15\frac{2}{5} - 5\frac{4}{7}$

7. $71\frac{1}{5} - 5\frac{2}{3}$

8. $99\frac{9}{19} + \frac{1}{5}$

9. $\frac{2}{3} + \frac{2}{3}$

10. $\frac{7}{10} - \frac{3}{10}$

11. $\frac{7}{12} - \frac{1}{4}$

12. $\frac{1}{6} + \frac{3}{4}$

13. $4\frac{3}{8} + 2\frac{5}{8}$

14. $5\frac{2}{5} - 1\frac{4}{5}$

15. $11 - 3\frac{1}{8}$

16. $7\frac{2}{5} + 3\frac{1}{4}$

For Exercises 17-24, find the product or quotient.

17. $\frac{3}{8} \cdot \frac{2}{5}$

18. $\frac{1}{4}$ of $\frac{4}{5}$

19. $\frac{5}{6}$ of 30

20. $2\frac{7}{8} \cdot \frac{4}{5}$

21. $\frac{3}{5} \div \frac{1}{5}$

22. $9 \div \frac{3}{4}$

23. $\frac{5}{6} \div \frac{3}{8}$

24. $3\frac{2}{3} \div 2\frac{1}{2}$

For Exercises 25-29, compare each pair of fractions. Use <, =, or >.

25. $\frac{1}{4} \square \frac{2}{9}$

26. $\frac{3}{7} \square \frac{1}{2}$

27. $\frac{2}{5} \square \frac{4}{10}$

28. $\frac{5}{6} \square \frac{7}{8}$

29. $\frac{3}{5} \square \frac{2}{3}$

For Exercises 30-35, write each fraction as a decimal.

30. $\frac{4}{5}$

31. $\frac{1}{9}$

32. $\frac{7}{8}$

33. $\frac{13}{4}$

34. $\frac{28}{8}$

35. $\frac{100}{6}$