PRE-ALGEBRA

Fractions
Adding/Subtracting/Comparing

Name: _____

Period: _____ Date: _____

Compare the fractions using <, >, or =.

1) $\dfrac{2}{3}$ $\dfrac{6}{7}$

2) $\dfrac{4}{5}$ $\dfrac{9}{17}$

3) $\dfrac{1}{4}$ $\dfrac{6}{13}$

4) $\dfrac{7}{8}$ $\dfrac{8}{17}$

ANSWERS
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

5)   Order $\dfrac{1}{4}$, $\dfrac{2}{7}$, and $\dfrac{5}{6}$ from least to greatest.

6)   Order $\dfrac{1}{6}$, $\dfrac{2}{5}$, and $\dfrac{2}{3}$ from least to greatest.

7)   Order $\dfrac{1}{6}$, $\dfrac{1}{5}$, and $\dfrac{1}{2}$ from least to greatest.

Add or subtract. Simplify your answer completely (all fractions should be reduced. No improper fractions for answers. ***Remember, you can add fractions until their denominators are the same.

8) $\dfrac{4}{12} + \dfrac{9}{12}$

9) $\dfrac{8}{12} - \dfrac{9}{12}$

10) $\dfrac{7}{15} + \dfrac{11}{15}$

11) $\dfrac{11}{12} + \dfrac{8}{12}$

12) $\dfrac{10}{12} + \dfrac{7}{4}$

13) $\dfrac{1}{6} + \dfrac{3}{9}$

14) $\dfrac{3}{5} - \dfrac{1}{11}$

15) $\dfrac{1}{3} - \dfrac{2}{8}$

16) $\dfrac{x}{4} + \dfrac{x}{3}$

17) $\dfrac{x}{10} - \dfrac{3x}{100}$

ANSWERS
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____

18) $8\dfrac{1}{2} + 4\dfrac{1}{2}$

19) $9\dfrac{2}{4} + 2\dfrac{1}{2}$

20) $16\dfrac{1}{2} + 4\dfrac{2}{4}$

21) $4\dfrac{2}{3} - 1\dfrac{7}{9}$

22) $\dfrac{7}{13} + \dfrac{16}{13} - \dfrac{8}{13}$

23) $\dfrac{1}{4} + \dfrac{5}{6} + \dfrac{3}{8}$

ANSWERS

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

24) You are cutting vegetables for a party. You have $\dfrac{1}{4}$ lb of carrots,

$\dfrac{1}{4}$ lb of broccoli, and $\dfrac{3}{4}$ lb of peppers.

How many pounds of vegetables do you have in all?

25) Jaime has $\dfrac{5}{11}$ of a project completed while Tim has finished $\dfrac{7}{13}$ of the same project.

Who has completed the greater amount of work?