

All answers must be written in lowest terms!!

Compare the following fractions using $<$, $>$, $=$.

1. $\frac{8}{9} \bigcirc \frac{9}{10}$

2. $\frac{22}{30} \bigcirc \frac{7}{10}$

3. $\frac{7}{8} \bigcirc \frac{6}{11}$

4. $\frac{2}{3} \bigcirc \frac{30}{45}$

5. On the accompanying lines, explain how you solved the problems 1 through 4.

Find each sum or difference, and you must show all work.

6. $\frac{1}{6} + \frac{5}{9} =$

7. $\frac{4}{21} + \frac{5}{7} =$

8. $\frac{4}{9} + \frac{1}{2} =$

9. $\frac{3}{5} + \frac{2}{7} =$

10. $\frac{7}{9} + \frac{3}{8} =$

11. $\frac{3}{4} - \frac{1}{3} =$

12. $\frac{5}{8} - \frac{1}{6} =$

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

14. $\frac{4}{7} - \frac{1}{5} =$

15. $\frac{10}{11} - \frac{1}{2} =$

16. $7\frac{1}{8} - 3\frac{5}{6} =$

17. $5\frac{1}{9} - 2\frac{7}{9} =$

18. $10\frac{1}{2} + 5\frac{2}{3} =$

19. $9\frac{2}{7} - 6\frac{3}{4} =$

20. $14\frac{3}{5} + 23\frac{5}{8} =$