Unit 8 Review

Write each fraction as a decimal and a percent.

1. 3/10 _____, _____

2. 6/50 _____, _____

3. 5/25 _____, _____

4. What is a common denominator for 3/8 and 7/12? _____

5. Explain how you found the common denominator in problem 4.
_____
_____
_____

6. Is 22/45 greater than or less than 1/2? _____.

7. Explain how you decided on your answer for problem 6.
_____
_____

8. Use your ruler to draw a line segment 3 1/4 inches long.

9. If you erased 3/4 inch from this line segment, how long would the new line segment be? _____

Add or subtract. Write your answer in simplest form.

10. $\frac{3}{8} + \frac{5}{4}$ = ___

11. 2
$-\frac{1}{3}$

12. $\frac{7}{9}$
$-\frac{2}{3}$

13. $\frac{7}{8}$
$+4\frac{5}{6}$

14. $6\frac{3}{5} - 4\frac{1}{5}$ = ___

15. $2\frac{2}{3} + 5\frac{6}{9}$ = ___

16. $6\frac{2}{5} - 2\frac{3}{5}$ = ___

Fill in the missing number.

17. $7\frac{2}{3} = 6\frac{\square}{3}$ 18. $3\frac{4}{9} = \square\frac{13}{9}$

19. $8\frac{5}{7} = 7\frac{\square}{7}$ 20. $6\frac{4}{5} = \square\frac{9}{5}$

Fill in the oval next to possible common denominators for each fraction pair. (There may be more than one answer.)

21. $\frac{1}{3}$ and $\frac{2}{5}$ 22. $\frac{5}{6}$ and $\frac{7}{8}$ 23. $\frac{2}{4}$ and $\frac{11}{7}$

    ○ 5   ○ 48   ○ 14
    ○15   ○ 12   ○ 28
    ○10   ○ 6   ○ 11
    ○30   ○ 24   ○ 21

24. List the six fractions from Problems 21-23 in order from smallest to largest.

___ ___ ___ ___ ___ ___

25. If you draw a line segment twice as long as a $4\frac{3}{4}$ inch line segment, how long would the new line segment be? (Circle one)

   9 in. $9\frac{1}{2}$ in. $8\frac{3}{4}$ in. $10\frac{1}{4}$ in.

Solve.

26. Mel's puppy was $6\frac{5}{8}$ inches tall when it was born. Now the dog is full grown and is $11\frac{3}{8}$ inches tall. How much has the dog grown since it was born? _____

27. Explain how you found your answer for problem 26. _____
_____

28. How many minutes are in 2/3 of an hour? _____

29. Trisha sewed 32 bags for the fund raiser. If 75% had flower designs on them, how many bags had flower designs? _____

Multiply. Write your answer in simplest form.

30. $\frac{9}{10} \times \frac{5}{8} =$ ____   31. $\frac{1}{4} \times \frac{2}{3} =$

32. $5\frac{1}{3} \times 2\frac{4}{5} =$ ____   33. $6\frac{5}{6} \times 7\frac{2}{3} =$ ____