

Name: _____



EXTENDED PRACTICE **CONVERTING BETWEEN FRACTIONS AND DECIMALS**

PART I: Convert each fraction into a decimal and round your answer to the thousandths decimal place.

1. $\frac{3}{5} =$ _____

8. $\frac{27}{100} =$ _____

2. $\frac{1}{2} =$ _____

9. $\frac{9}{100} =$ _____

3. $\frac{3}{4} =$ _____

10. $\frac{4}{7} =$ _____

4. $\frac{4}{9} =$ _____

11. $\frac{8}{9} =$ _____

5. $\frac{2}{3} =$ _____

12. $\frac{5}{6} =$ _____

6. $\frac{9}{10} =$ _____

13. $\frac{2}{9} =$ _____

7. $\frac{1}{8} =$ _____

14. $\frac{11}{12} =$ _____

PART II: Convert each decimal into a fraction in simplest form.

15. $0.3 =$ _____

22. $0.45 =$ _____

16. $0.25 =$ _____

23. $0.1 =$ _____

17. $0.7 =$ _____

24. $0.01 =$ _____

18. $0.13 =$ _____

25. $0.27 =$ _____

19. $0.2 =$ _____

26. $0.66 =$ _____

20. $0.28 =$ _____

27. $0.175 =$ _____

21. $0.997 =$ _____

28. $0.65 =$ _____

ANSWER KEY

PART I

1. $\frac{3}{5} = 0.6$

2. $\frac{1}{2} = 0.5$

3. $\frac{3}{4} = 0.75$

4. $\frac{4}{9} = 0.444$

5. $\frac{2}{3} = 0.667$

6. $\frac{9}{10} = 0.9$

7. $\frac{1}{8} = 0.125$

8. $\frac{27}{100} = 0.27$

9. $\frac{9}{100} = 0.09$

10. $\frac{4}{7} = 0.571$

11. $\frac{8}{9} = 0.889$

12. $\frac{5}{6} = 0.833$

13. $\frac{2}{9} = 0.222$

14. $\frac{11}{12} = 0.917$

PART II

15. $0.3 = \frac{3}{10}$

16. $0.25 = \frac{1}{4}$

17. $0.7 = \frac{7}{10}$

18. $0.13 = \frac{13}{100}$

19. $0.2 = \frac{1}{5}$

20. $0.28 = \frac{7}{25}$

21. $0.997 = \frac{997}{1,000}$

22. $0.45 = \frac{9}{20}$

23. $0.1 = \frac{1}{10}$

24. $0.01 = \frac{1}{100}$

25. $0.27 = \frac{27}{100}$

26. $0.66 = \frac{33}{50}$

27. $0.175 = \frac{7}{40}$

28. $0.65 = \frac{13}{20}$