ANSWER KEY

For #1 – 9, write each decimal as a fraction in simplest form.

1. $0.3 = \dfrac{3}{10}$

2. $0.21 = \dfrac{21}{100}$

3. $0.917 = \dfrac{917}{1000}$

4. $0.04 = \dfrac{1}{25}$

5. $0.208 = \dfrac{26}{125}$

6. $0.0106 = \dfrac{53}{5000}$

7. $0.5 = \dfrac{1}{2}$

8. $0.002 = \dfrac{1}{500}$

9. $0.3017 = \dfrac{3017}{10,000}$

For #10 – 12, write each decimal as a mixed number in simplest form.

10. $1.6 = 1\dfrac{3}{5}$

11. $8.03 = 8\dfrac{3}{100}$

12. $6.034 = 6\dfrac{17}{500}$

For #13 – 15, write each repeating decimal as a fraction or mixed number in simplest form.

13. $0.\overline{7} = \dfrac{7}{9}$

14. $0.\overline{26} = \dfrac{26}{99}$

15. $0.\overline{3} = \dfrac{1}{3}$

For #16 – 24, write each fraction as a decimal.

16. $\dfrac{9}{10} = 0.9$

17. $\dfrac{671}{1000} = 0.671$

18. $\dfrac{41}{100} = 0.41$

19. $\dfrac{2}{5} = 0.4$

20. $\dfrac{31}{500} = 0.062$

21. $\dfrac{17}{20} = 0.85$

22. $\dfrac{1}{8} = 0.125$

23. $\dfrac{21}{40} = 0.525$

24. $\dfrac{7}{16} = 0.4375$

For #25 – 27, write each mixed number as a decimal.

25. $10\dfrac{9}{100} = 10.09$

26. $207\dfrac{11}{250} = 207.044$

27. $8\dfrac{3}{8} = 8.375$

For #28 – 30, write each fraction or mixed number as a repeating decimal.

28. $7\dfrac{1}{9} = 7.\overline{1}$

29. $\dfrac{2}{15} = 0.1\overline{3}$

30. $8\dfrac{2}{3} = 8.\overline{6}$