

ANSWER KEY

For #1 – 5, write each number as a decimal in standard form.

1. Fifty-three and 4 tenths 53.4
2. Eight hundred nine and twenty-one hundredths 809.21
3. One thousand and seven hundredths 1,000.07
4. Forty-two thousand five hundred thirty-one and thirteen ten thousandths 42,531.0013
5. One hundred twenty-five thousand six hundred forty and three hundred fifty-seven hundred thousandths. 125,640.00357

For #6 – 11, write each fraction or mixed number as a decimal in standard form.

6. $\frac{3}{10} =$ 0.3
7. $\frac{371}{1,000} =$ 0.371
8. $\frac{4,091}{10,000} =$ 0.4091
9. $1\frac{9}{100} =$ 1.09
10. $207\frac{413}{10,000} =$ 207.0413
11. $8\frac{3}{100,000} =$ 8.00003

For #12 – 14, write each decimal as a fraction or mixed number.

12. $39.03 =$ $39\frac{3}{100}$
13. $160.201 =$ $160\frac{201}{1,000}$
14. $0.0107 =$ $\frac{107}{10,000}$

15. In 58,240.76319, what digit is in the **thousands** place? 8
16. In 58,240.76319, what digit is in the **tenths** place? 7
17. In 58,240.76319, what digit is in the **thousandths** place? 3
18. In 58,240.76319, what digit is in the **ten thousands** place? 5
19. In 8,456.39, what digit is in the **hundredths** place? 9
20. In 8,456.39, what digit is in the **ten thousandths** place? 9
21. In 0.9827, what digit is in the **hundred thousandths** place? 8

For #22 – 24, each number is written in expanded form. Rewrite each number as a decimal in standard form.

22. $4 \times 10 + 3 \times 1 + 7 \times 0.1 + 2 \times 0.01 =$ 43.72
23. $3 \times 100 + 1 \times 10 + 9 \times 0.1 + 5 \times 0.01 + 6 \times 0.0001 =$ 310.9506
24. $6 \times 10,000 + 5 \times 1,000 + 1 \times 100 + 7 \times 1 + 8 \times 0.01 + 4 \times 0.001 =$ 65,107.084