

Addition, Subtraction, and Multiplication of Decimals Test
Monday, November 24, 2014

REVIEW SHEET

1. What is the place of the underlined digit? (place = words)

- 3.047 hundredths
- 289.078 thousandths
- 3.5 ones
- 12,345.678 tenths

2. What is the value of the underlined digit? (value = numbers)

- 3.047 0.04
- 289.078 0.008
- 3.5 3
- 12,345.678 0.6

3. Write **sixty-seven and six hundred thirty-one thousandths** in standard form.

67.631

4. Write **seventeen and seven thousandths** in standard form.

17.007

5. Write **324.678** in word form.

three hundred twenty-four and six hundred seventy-eight thousandths

6. Write **19.017** in word form.

nineteen and seventeen thousandths

7. Write **556.345** in expanded form.

500 + 50 + 6 + .3 + .04 + .005

8. Write **900.031** in expanded form.

$$900 + .03 + .001$$

9. Insert $<$, $>$, or $=$

$$11.567 \underline{<} 11.5671$$

$$15.8 \underline{=} 15.8000$$

$$41.3 \underline{>} 41.03$$

$$.124 \underline{<} 1.24$$

$$5.079 \underline{<} 5.08$$

$$.62 \underline{>} .618$$

10. Put the following numbers in order from **least to greatest**:

$$.58 \quad 1.58 \quad .578 \quad .78$$

$$.578 \quad .58 \quad .78 \quad 1.58$$

11. Put the following numbers in order from **least to greatest**:

$$6.23 \quad .23 \quad .623 \quad 1.23$$

$$.23 \quad .623 \quad 1.23 \quad 6.23$$

12. Round 58.056 to the hundredths place 58.06

13. Round 34.248 to the hundredths place 34.25

14. Round 92.35 to the tenths place 92.4

15. Round 1,578.691 to the tenths place 1,578.7

16. Round 100.909 to the nearest whole number 101

17. Round 19.9 to the nearest whole number 20

$$\begin{array}{r} 78 \\ 48 \\ \times 679 \\ \hline 4074 \\ + 61,110 \\ \hline \boxed{65,184} \end{array}$$

$$\begin{array}{r} 21 \\ \times 8 \\ \hline 168 \\ 21 \\ \times 9 \\ \hline 189 \end{array}$$

$$\begin{array}{r} 19. \quad 1237/21 \\ \hline \boxed{58 R19} \\ 21 \overline{) 1237} \\ \underline{-105} \\ 178 \\ \underline{-168} \\ 19 \end{array}$$

21 → 20
123 → 120
6
21
x 6
126
x 21
5
105

20. $13.2 + 7 + 0.098 =$

$$\begin{array}{r} 13.200 \\ + 07.000 \\ + 00.098 \\ \hline 20.298 \end{array}$$

21. $0.87 + 110.9 + 3 =$

$$\begin{array}{r} 000.87 \\ + 110.90 \\ + 003.00 \\ \hline 114.77 \end{array}$$

22. $0.008 + 2.5 + 35.99 =$

$$\begin{array}{r} 000.008 \\ + 02.500 \\ + 35.990 \\ \hline 38.498 \end{array}$$

23. $1.234 + 5 =$

$$\begin{array}{r} 1.234 \\ + 5.000 \\ \hline 6.234 \end{array}$$

24. $25.8 - 13.7 =$

$$\begin{array}{r} 25.8 \\ - 13.7 \\ \hline 12.1 \end{array}$$

25. $5 - 2.3 =$

$$\begin{array}{r} 4\cancel{5}.0 \\ - 2.3 \\ \hline 2.7 \end{array}$$

26. $12 - 1.129 =$

$$\begin{array}{r} 1\cancel{2}.000 \\ - 01.129 \\ \hline 10.871 \end{array}$$

27. $100 - 7.98 =$

$$\begin{array}{r} 0\cancel{1}00.00 \\ - 007.98 \\ \hline 92.02 \end{array}$$

28. $30 \times .25 =$

$$\begin{array}{r} 30 \\ \times .25 \\ \hline 150 \\ + 600 \\ \hline 7.50 \end{array}$$

29. $0.768 \times 0.29 =$

$$\begin{array}{r} 0.768 \\ \times 0.29 \\ \hline 6912 \\ + 15360 \\ \hline 22272 \end{array}$$

.22272

30. $587.2 \times 0.98 =$

$$\begin{array}{r} 587.2 \\ \times 0.98 \\ \hline 46976 \\ + 528480 \\ \hline 575.456 \end{array}$$

31. $0.43 \times 1.2 =$

$$\begin{array}{r} 0.43 \\ \times 1.2 \\ \hline 86 \\ 430 \\ \hline 516 \end{array}$$

32. $0.89 \times 100 = 89.$

33. $1.2 \times 10 = 12.$

34. $0.09 \times 1000 = 90.$

35. $98 \times 100 = 9,800.$

NOT required as part of your answer, but an explanation to the shortcut:

0.89

2 zeroes =
2 spaces to the right

1.2

1 zero =
1 space to the right

0.090

3 zeroes =
3 spaces to the right

98.00

2 zeroes =
2 spaces to the right