

Name: _____ Date: _____

HOMEWORK PRACTICE: *Place Value Through Thousandths*

You can use a place-value chart to show the decimal 13.56.

1,000	100	10	1	.	0.1	0.01	0.001
Thousands	Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths
		1	3	.	5	6	

Write the place value of each underlined digit.1) 2.8 _____ 2) 1.427 _____3) 2.531 _____ 4) 35.052 _____5) 5.35 _____ 6) 24.002 _____**Write each number in standard form.**

7) 5 and 34 thousandths _____

8) 34 and 12 hundredths _____

9) $20 + 4 + 0.7 + 0.04 + 0.005$ _____10) $100 + 7 + 0.05 + 0.007$ _____**Write each number in word form.**11) 23.5 _____
_____12) 164.38 _____

Compare 12.1 and 9.8

Method 1: Use a *number line*.

Numbers to the right are greater than the numbers to the left. Since 12.1 is to the right of 9.8, $12.1 > 9.8$.

Method 2: Use *place value*:

Line up the decimal points.

$$\begin{array}{r} 12.1 \\ 9.8 \end{array}$$

If the numbers have a different number of digits, be sure to line them up correctly.

Only the number 12.1 has a digit in the tens place. So $12.1 > 9.8$

Replace each \bigcirc with $<$, $>$, or $=$ to make a true sentence.

1. $0.62 \bigcirc 0.618$

2. $9.8 \bigcirc 9.80$

3. $1.006 \bigcirc 1.02$

4. $41.3 \bigcirc 41.03$

5. $2.01 \bigcirc 2.011$

6. $1.400 \bigcirc 1.40$

7. $5.079 \bigcirc 5.08$

8. $12.96 \bigcirc 12.967$

9. $15.8 \bigcirc 15.800$

10. $7.98 \bigcirc 7.89$

11. $15 \bigcirc 15.01$

12. $32.174 \bigcirc 32.740$

13. $8.917 \bigcirc 8.907$

14. $11.56 \bigcirc 11.5671$

Spiral Review

Write each fraction as a decimal.

15. $\frac{3}{10}$ _____

16. $\frac{1}{10}$ _____

17. $\frac{67}{100}$ _____

18. $\frac{7}{100}$ _____

19. $\frac{413}{1,000}$ _____

20. $\frac{5}{1,000}$ _____