

NUMBERS & OPERATIONS IN BASE TEN – Practice Test

Complete the place value chart with the correct position.

	Hundred Million				Ten Thousands			Tens					Ten Thousandths

Name the place of the underlined digit. Then write the value of the digit.

- | | | | |
|----|--|----|----------------|
| 1) | 6,1 <u>3</u> 4, 576 | 1) | _____ |
| 2) | 45, <u>3</u> 58 | 2) | _____ |
| 3) | 18. <u>7</u> 29 | 3) | _____ |
| 4) | Write twenty-four thousand, two hundred twelve and four tenths in standard form. | 4) | _____ |
| 5) | Write three million five hundred thousand, six hundred five and thirty-five hundredths in standard form. | 5) | _____ |
| 6) | Write 25,587 in expanded and word form. | 6) | _____
_____ |
| 7) | Write 27.78 in expanded and word form. | 7) | _____
_____ |

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Compare. Use $<$, $>$, or $=$.

8) $894,718$ _____ $894,781$ 8) _____

9) $514,318,829$ _____ $418,012,284$ 9) _____

10) 4.235 _____ 4.2350 10) _____

Order the numbers from *least to greatest*.

11) $65,245$; $65,109$; $65,311$; $53,400$ 11) _____

12) $12,834,351$; $12,814,892$;
 $12,400,815$; $12,285,219$ 12) _____

13) 3.765 ; 3.753 ; 37.5 ; 3.672 ; 13) _____

14) 0.0435 ; 0.435 , 1.45 ; 0.0504 14) _____

Shade the model. Then write each fraction in word form and as a decimal.

15) 15) _____

16) 16) _____

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Estimate each sum or difference. Then find the exact answer.

$$\begin{array}{r} 17) \quad 4,761 \\ \quad + 2,893 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 61,823 \\ \quad + 52,449 \\ \hline \end{array}$$

17) _____

18) _____

$$\begin{array}{r} 19) \quad 7,299 \\ \quad - 173 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 34,672 \\ \quad - 19,744 \\ \hline \end{array}$$

19) _____

20) _____

Find each missing number.

21) $X + 7 = 20$

21) _____

22) $X - 12 = 60$

22) _____

23) $35 - X = 15$

23) _____

Find the rule for each Input/Output table and then find the missing values.

24) Rule: _____

25) Rule: _____

Input	Output
15	27
	50
	40
24	

Input	Output
18	5
65	
	9
	45

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NUMBERS & OPERATIONS IN BASE TEN
OPEN RESPONSE

- 1) How are the place value positions to either side of a particular number related? Remember we use a BASE TEN system.

- 2) Which does NOT belong? Explain your answer.

Two and forty-six hundredths	2 and 46 tenths	$2 + 0.4 + 0.06$	2.46
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- 3) Construct a number line that includes:
- A start number of 0 and end number of 1 (use black)
 - Benchmark decimals of 0.25, 0.5, and 0.75 (use green)
 - Plot the decimals 0.7, 0.14, 0.88, and 0.38 (use red)
 - Add 3 additional decimal numbers of your choice (use blue)