



Year 3 Worksheet 3

Place Value and Expanded Notation

Question 1: Write the number in expanded form.

$$3,450 = 3000 + 400 + 50 + 0$$

$$7,862 =$$

$$2,394 =$$

$$5,482 =$$

$$3,892 =$$

$$40,274 =$$

$$13,078 =$$

$$66,508 =$$

$$85,890 =$$

$$97,010 =$$



Question 2: Write each number in normal form.

$8000 + 200 + 90 + 4$	8294
$3000 + 900 + 70 + 5$	
$2000 + 300 + 30 + 4$	
$5000 + 800 + 70 + 2$	
$6000 + 40 + 4$	
$2000 + 200 + 3$	
$7000 + 700 + 50$	
$60000 + 700 + 40 + 4$	
$40000 + 1000 + 50 + 3$	
$30000 + 5000 + 500 + 30 + 5$	
$40000 + 300 + 70 + 5$	
$50000 + 5000 + 400 + 3$	
$70000 + 8000 + 90$	
$60000 + 5000 + 100 + 20 + 2$	
$90000 + 7000 + 200 + 5$	
$30000 + 2000 + 10 + 6$	
$50000 + 100 + 5$	
$70000 + 1000 + 70 + 4$	



Question 3: Write the place value of the underlined digit.

$2,3\underline{9}4 = 9 \text{ tens}$	$\underline{3},873 =$	$4,\underline{3}84 =$
$4,93\underline{4} =$	$5,\underline{3}51 =$	$6,\underline{9}36 =$
$\underline{5},640 =$	$7,4\underline{0}6 =$	$4,64\underline{9} =$
$11,3\underline{3}5 =$	$4\underline{5},369 =$	$\underline{6}5,460 =$
$46,\underline{2}69 =$	$64,24\underline{9} =$	$24,\underline{4}68 =$
$10,\underline{3}94 =$	$\underline{1}4,359 =$	$\underline{8}4,843 =$
$39,\underline{0}48 =$	$56,3\underline{0}4 =$	$24, 49\underline{0} =$



Question 4: Find the missing place value from a 4-digit number.

$$3,000 + 500 + \underline{\quad} + 6 = 3,516$$

$$4,000 + \underline{\quad} + 20 + 4 = 4,924$$

$$\underline{\quad} + 300 + 50 + 9 = 7,359$$

$$6,000 + 500 + 40 + \underline{\quad} = 6,540$$

$$8,000 + 400 + \underline{\quad} + 9 = 8,409$$

$$50,000 + 6,000 + \underline{\quad} + 10 + 1 = 56,711$$

$$60,000 + \underline{\quad} + 300 + 40 = 65,340$$

$$40,000 + 3,000 + 400 + \underline{\quad} + 9 = 43,459$$

$$80,000 + \underline{\quad} + 600 + 70 + 1 = 89,671$$

$$\underline{\quad} + 5,000 + 800 + 30 + 7 = 25,837$$

$$20,000 + 1000 + 400 + \underline{\quad} + 3 = 21,483$$



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Answer Key

Question 1: Write the number in expanded form.

$$3,450 = 3,000 + 400 + 50 + 0$$

$$7,862 = 7,000 + 800 + 60 + 2$$

$$2,394 = 2,000 + 300 + 90 + 4$$

$$5,487 = 5,000 + 400 + 80 + 7$$

$$3,892 = 3,000 + 800 + 90 + 2$$

$$40,274 = 40,000 + 0 + 200 + 70 + 4$$

$$13,078 = 10,000 + 3,000 + 0 + 70 + 8$$

$$66,508 = 60,000 + 6,000 + 500 + 0 + 8$$

$$85,890 = 80,000 + 5,000 + 800 + 90 + 0$$

$$97,010 = 90,000 + 7,000 + 0 + 10 + 0$$



Question 2: Write each number in normal form.

$8000 + 200 + 90 + 4$	8294
$3000 + 900 + 70 + 5$	3975
$2000 + 300 + 30 + 4$	2334
$5000 + 800 + 70 + 2$	5872
$6000 + 40 + 4$	6044
$2000 + 200 + 3$	2203
$7000 + 700 + 50$	7750
$60000 + 700 + 40 + 4$	60744
$40000 + 1000 + 50 + 3$	41053
$30000 + 5000 + 500 + 30 + 5$	35535
$40000 + 300 + 70 + 5$	40375
$50000 + 5000 + 400 + 3$	55403
$70000 + 8000 + 90$	78090
$60000 + 5000 + 100 + 20 + 2$	65122
$90000 + 7000 + 200 + 5$	97205
$30000 + 2000 + 10 + 6$	32016
$50000 + 100 + 5$	50105
$70000 + 1000 + 70 + 4$	71074



Question 3: Write the place value of the underlined digit.

9 tens	3 thousands	3 hundreds
4 ones	3 hundreds	9 hundreds
5 thousands	0 ten	9 ones
3 tens	5 thousands	6 ten-thousands
2 hundreds	9 ones	4 hundreds
0 thousand	1 ten-thousand	8 ten-thousands
0 hundred	0 ten	0 one



Question 4: Find the missing place value from a 4-digit number.

$$3,000 + 500 + 10 + 6 = 3,516$$

$$4,000 + 900 + 20 + 4 = 4,924$$

$$7000 + 300 + 50 + 9 = 7,359$$

$$6,000 + 500 + 40 + 0 = 6,540$$

$$8,000 + 400 + 0 + 9 = 8,409$$

$$50,000 + 6,000 + 700 + 10 + 1 = 56,711$$

$$60,000 + 5000 + 300 + 40 = 65,340$$

$$40,000 + 3,000 + 400 + 50 + 9 = 43,459$$

$$80,000 + 9000 + 600 + 70 + 1 = 89,671$$

$$20000 + 5,000 + 800 + 30 + 7 = 25,837$$

$$20,000 + 1000 + 400 + 80 + 3 = 21,483$$