

Grade 4 · Place Value to One Million · Worksheet

Common Core 4.NBT.A.1, 4.NBT.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

This worksheet gives 22 problems on place value to one million, for standards 4.NBT.A.1 and 4.NBT.A.2. The first problems find the value of a digit and use the ten times pattern. Next come reading, writing, and expanded form, then comparing and ordering. The last six are word problems and multi-step puzzles.

Grade 4 Common Core: 4.NBT.A.1 · 4.NBT.A.2

Problem 1: Value of a digit

Find the value of the digit 8 in 4,862.

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		4	8	6	2

Place-value chart for 4,862.

Problem 2: Value in a larger number

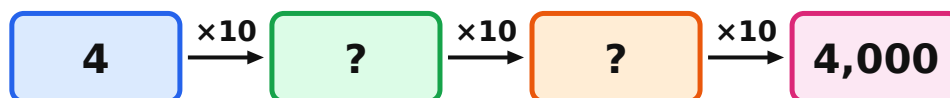
Find the value of the digit 5 in 352,170.

Problem 3: Ten times as much

The number 30 is 10 times as much as which number?

Problem 4: Multiply by ten

Write the two missing numbers. Each arrow means times 10.



Chain with the numbers 4, ?, ?, and 4,000.

Problem 5: Two sevens

In 7,700, how many times as much is the value of the left 7 as the value of the right 7?

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		7	7	0	0

The two 7s in 7,700 are highlighted.

Problem 6: Write the number name

Write the number name for 4,305.

Problem 7: Write the numeral

Write the base-ten numeral for twenty-six thousand nine hundred forty.

Problem 8: Expanded form

Write 7,248 in expanded form.

Problem 9: From expanded form

Write the numeral for $40,000 + 3,000 + 500 + 6$.

Problem 10: Compare four-digit numbers

Compare 5,284 and 5,248. Write $>$, $<$, or $=$ in the blank: $5,284 \text{ } [\quad] \text{ } 5,248$.

Problem 11: Compare five-digit numbers

Compare 63,019 and 63,109 with $>$, $<$, or $=$.

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
	6	3	0	1	9
	6	3	1	0	9

63,019 above 63,109 in a place-value chart.

Problem 12: Different lengths

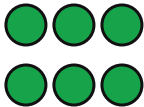
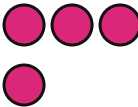
Compare 124,500 and 99,999 with $>$, $<$, or $=$.

Problem 13: Order from least to greatest

Write these numbers from least to greatest: 45,230; 4,523; 45,320; 45,203.

Problem 14: Count the disks

Each disk is worth the value of its column. Write the number shown as a numeral and as a number name.

Ten thousands	Thousands	Hundreds	Tens	Ones
				

Disks in five place-value columns.

Problem 15: Four sixes

Find the value of each 6 in 6,666.

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
		6	6	6	6

Four 6s in a place-value chart.

Problem 16: Ten hundred thousands

How many hundred thousands make 1,000,000?

Millions	Thousands period			Ones period		
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
1	0	0	0	0	0	0

Place-value chart for 1,000,000.

Problem 17: Change a digit

Mei is thinking of the number 48,205. She changes the 8 to a 9. What is her new number, and how much greater is it than 48,205?

Problem 18: Attendance

The Little League championship had 52,380 fans on Saturday and 52,308 fans on Sunday. On which day were there more fans? Explain how you know.

Problem 19: Town populations

Four towns have these populations: Maple Falls 18,240; Oak Ridge 8,924; Pine Hill 18,420; Cedar Creek 81,042. List the towns from greatest to least population.

Problem 20: Find the mistake

Maya wrote $300,000 + 40,000 + 5$ as 345. Explain her mistake and write the correct numeral.

Problem 21: True or false

Jamal says, "The 4 in 45,000 is worth 10 times as much as the 4 in 4,500." Is he correct? Explain.

Problem 22: Greatest and least

Priya has digit cards 3, 5, 0, 8, and 2. She uses each card once to make a 5-digit number. Write the greatest number she can make and the least number she can make.