

Lesson 1 Number

1A: Number and problem solving

1. Number and the number system

1.1 Reading, writing and partitioning numbers

Reading and Writing Whole Numbers in Words (Number Names)

<https://www.youtube.com/watch?v=ON29WaybkiM>

Read and Write Numbers in Words and Expanded Forms

<https://www.splashlearn.com/math-skills/fourth-grade/place-value/read-and-write-numbers>

Reading and writing large numbers

<https://www.khanacademy.org/math/in-in-class-6th-math-cbse/x06b5af6950647cd2:in-in-6th-know-numbers/x06b5af6950647cd2:intro-to-large-numbers/v/reading-and-writing-large-numbers>

EXPANDED FORM UP TO 5-DIGITS SHEET 1

Write down these numbers in expanded form.

1) $24,128 = 2 \text{ ten thousands} + 4 \text{ thousands} + 1 \text{ hundred} + 2 \text{ tens} + 8 \text{ ones}$

2) $5,839 =$

3) $10,463 =$

4) $7,624 =$

5) $52,806 =$

6) $13,290 =$

7) $8,072 =$

8) $71,506 =$

9) $62,850 =$

10) $8,294 =$

11) $9,075 =$

12) $6,219 =$

13) $82,045 =$

14) $17,230 =$

15) $40,261 =$

16) $9,386 =$

17) $72,108 =$

18) $23,068 =$

19) $8,936 =$

20) $42,085 =$

EXPANDED FORM UP TO 5-DIGITS SHEET 2

Write down these numbers in expanded form.

1) 19,384 = 1 ten thousands + 9 thousands + 3 hundreds + 8 tens + 4 ones

2) 23,075 =

3) 9,628 =

4) 12,509 =

5) 47,320 =

6) 92,004 =

7) 48,506 =

8) 8,207 =

9) 50,286 =

10) 29,470 =

11) 7,369 =

12) 35,092 =

13) 71,060 =

14) 10,436 =

15) 42,903 =

16) 80,652 =

17) 9,034 =

18) 32,710 =

19) 91,008 =

20) 72,690 =

Name : _____

Score : _____

Teacher : _____

Date : _____

Write the Numbers for the Word Names.

1) _____ Seventy Six Thousand, One Hundred Sixty

2) _____ Eighty Five Thousand, Three Hundred Fifty

3) _____ Ninety Four Thousand, Two Hundred Ninety Three

4) _____ Forty Five Thousand, Three Hundred Ninety One

5) _____ Eighteen Thousand, Four Hundred Thirty Nine

6) _____ Eighty Five Thousand, Nine Hundred Forty Seven

7) _____ Seventy Six Thousand, Seven Hundred Sixty Five

8) _____ Ninety Seven Thousand, Eight Hundred Ninety Seven

9) _____ Forty Nine Thousand, Six Hundred Fourteen

10) _____ Sixty One Thousand, One Hundred Sixteen

Name : _____ Score : _____

Teacher : _____ Date : _____

Write the Names for the Numbers.

1) 72,418

2) 96,825

3) 78,135

4) 14,927

5) 25,512

6) 86,980

7) 79,850

8) 15,318

9) 99,791

10) 86,648

5-DIGIT NUMBER CHALLENGES 1

Use the digits 3, 1, 2, 6, 9 to make a 5-digit number each time.

1)	What is the largest 5-digit number you can make with the digits?	
2)	Subtract 90 from this number.	
3)	What is the smallest 5-digit number you can make?	
4)	Add 900 to this number.	
5)	What is the largest even number you can make?	
6)	What is the number closest to 40,000 you can make?	
7)	What is the number closest to 60,000 you can make?	
8)	Make a 5-digit number which is a multiple of 3.	
9)	Make a 5-digit number which is a multiple of 4.	
10)	Write down 5 different numbers between 63,000 and 64,000 that you can make.	
11)	Write these 5 numbers in order from smallest to largest.	
12)	Look at the number 31,926	
	Round it to the nearest 10.	
	Round it to the nearest 100.	
	Round it to the nearest 1000.	
	Round it to the nearest 10,000.	

READING AND WRITING BIG NUMBERS CHALLENGE 1

Write the correct value of each number next to each number written in words.

Now put the numbers in the correct place in the number puzzle.

There are some clues in the number puzzle to help you know where each number goes.

Put the numbers in order, from biggest to smallest.

Twenty-four thousand, thirty-six _____

One hundred ninety-four thousand, five hundred eight _____

Six million, one hundred three thousand, two hundred forty-nine _____

Fifty thousand, eight hundred ninety-four _____

~~Three hundred twenty nine thousand, one hundred one~~ 329,101

Nine hundred twenty thousand, forty-five _____

Seven hundred five thousand, two hundred forty-eight _____

3	2	9	1	0	1		
5						1	
			2				
							9
		0			4		

[illegible]

1A: Number and problem solving**1. Number and the number system****1.2 Ordering, comparing and rounding 5digit numbers****ORDERING NUMBERS TO 5 DIGITS SHEET 1**

Order these lists of numbers from smallest to largest.

A)	27141	16978	42763	9627	
	<hr/>	<hr/>	<hr/>	<hr/>	
	smallest			largest	
B)	68275	82013	7962	10524	
	<hr/>	<hr/>	<hr/>	<hr/>	
	smallest			largest	
C)	32764	8516	10928	31905	
	<hr/>	<hr/>	<hr/>	<hr/>	
	smallest			largest	
D)	82761	51328	17828	51982	
	<hr/>	<hr/>	<hr/>	<hr/>	
	smallest			largest	
E)	67253	81020	42736	6526	10122
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
F)	47210	38142	62634	42195	32597
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
G)	27612	9805	53005	7925	10527
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
H)	76261	28943	35264	22856	29040
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest

ORDERING NUMBERS TO 5 DIGITS SHEET 2

Order these lists of numbers from smallest to largest.

A)	72645	40784	71826	53624	29879
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
B)	10738	9825	10465	14532	7994
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
C)	65241	58726	60902	71435	59243
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
D)	36052	42588	5289	32169	35905
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
E)	9816	13204	12965	7285	10978
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
F)	58260	52785	49277	53602	47833
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
G)	38092	32685	41205	33280	32901
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest
H)	15265	6824	9031	11825	10563
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	smallest				largest

COUNTING ON BY TENS SHEET 2

Each of these sequences goes up by a constant number of tens.

Fill in all the missing numbers.

1) Count on by 30s

	80		140	170			260
--	----	--	-----	-----	--	--	-----

2) Count on by 70s

	100	170			380		520
--	-----	-----	--	--	-----	--	-----

3) Count on by 40s

390		470	510			630	
-----	--	-----	-----	--	--	-----	--

4) Count on by 20s

		210			270		310
--	--	-----	--	--	-----	--	-----

5) Count on by 60s

	50		170	230		350	
--	----	--	-----	-----	--	-----	--

6) Count on by 80s

	90	170			410	490	
--	----	-----	--	--	-----	-----	--

7) Count on by 10s

		8			38		
--	--	---	--	--	----	--	--

8) Count on by 90s

70			340			610	
----	--	--	-----	--	--	-----	--

9) Count on by 50s

	20	70		170			320
--	----	----	--	-----	--	--	-----

COMPARING 5 DIGIT NUMBERS 1

Use the symbols $>$, $<$ and $=$ to compare the numbers.

1) 54567	$>$	48271	11) 7389		9056	21) 83814		69834
2) 27138		27948	12) 66271		59483	22) 90038		39807
3) 8273		8273	13) 81035		80946	23) 6257		20105
4) 10293		4382	14) 27365		25581	24) 14205		22712
5) 69182		12734	15) 8377		9039	25) 79612		80105
6) 70102		83834	16) 10392		8694	26) 55960		57024
7) 65351		65351	17) 37780		29106	27) 8826		81020
8) 78233		45369	18) 65026		65026	28) 40938		40124
9) 67727		6839	19) 23870		25143	29) 63562		63297
10) 91038		66376	20) 19602		9063	30) 30771		30771

Compare these amounts.

31)		32865	$>$	20000 + 9000
32)		15027		10000 + 6000 + 45
33)		63527		60000 + 3000 + 600
34)		70360		70000 + 300 + 60
35)		81523		80000 + 200 + 80
36)		61052		60000 + 152
37)		21706		21000 + 620
38)	40000 + 285			42085
39)	24000 + 371			24396
40)	70000 + 6000 + 183			76000 + 100 + 83

COMPARING 5 DIGIT NUMBERS 2

Use the symbols $>$, $<$ and $=$ to compare the numbers.

1) 79127	$>$	60328	11) 76245		76425	21) 20816		20816
2) 9746		21452	12) 52473		52473	22) 62547		62745
3) 80104		59826	13) 90611		67588	23) 4238		41702
4) 56041		56041	14) 13087		10783	24) 32518		33082
5) 11092		10846	15) 56728		62023	25) 77109		77109
6) 66701		66710	16) 47095		59074	26) 62508		62580
7) 58294		52894	17) 23108		28013	27) 51284		51248
8) 65182		43281	18) 29184		29184	28) 60327		60237
9) 7526		34611	19) 90356		62499	29) 47208		45872
10) 85046		86045	20) 65274		7892	30) 81906		81609

Compare these amounts.

31)	52614	$>$	50000 + 2000 + 597
32)	67193		67000 + 200
33)	30000 + 700 + 24		37000 + 15
34)	80972		80000 + 900 + 72
35)	64000 + 295		60000 + 3400
36)	73000 + 247		73200 + 35
37)	90000 + 6000 + 85		96000 + 180
38)	54000 + 240 + 6		50000 + 4200 + 46
39)	70000 + 5300 + 28		75000 + 330 + 6
40)	21000 + 37		2000 + 100 + 46

Rounding 5digit numbers

<https://quizlet.com/146201682/rounding-5-digit-numbers-flash-cards/>

Round numbers 0-10,000 to the nearest 1,000

Grade 4 Rounding Worksheet

Example: 4,689 rounded to the nearest 1,000 is 5,000

Round to the nearest thousand.

1. 1,539 = _____ 2. 8,764 = _____ 3. 3,695 = _____

4. 8,220 = _____ 5. 3,599 = _____ 6. 209 = _____

7. 3,941 = _____ 8. 5,912 = _____ 9. 1,908 = _____

10. 5,388 = _____ 11. 160 = _____ 12. 1,329 = _____

13. 6,273 = _____ 14. 2,046 = _____ 15. 4,218 = _____

16. 9,186 = _____ 17. 7,284 = _____ 18. 1,658 = _____

19. 9,129 = _____ 20. 4,137 = _____ 21. 6,086 = _____

Round numbers 0-10,000 to the nearest 1,000

Grade 4 Rounding Worksheet

Example: 4,689 rounded to the nearest 1,000 is 5,000

Round to the nearest thousand.

1. 3,277 = _____ 2. 903 = _____ 3. 718 = _____

4. 1,993 = _____ 5. 9,353 = _____ 6. 6,860 = _____

7. 7,498 = _____ 8. 2,197 = _____ 9. 6,103 = _____

10. 5,996 = _____ 11. 970 = _____ 12. 6,564 = _____

13. 6,951 = _____ 14. 3,338 = _____ 15. 3,924 = _____

16. 4,295 = _____ 17. 4,101 = _____ 18. 9,222 = _____

19. 8,108 = _____ 20. 1,843 = _____ 21. 2,121 = _____