

Name

Date



7-DIGIT NUMBER CHALLENGES 1

Use the digits 0, 1, 2, 5, 6, 7 and 9 to make a 7-digit number each time.

1)	What is the largest 7-digit number you can make with the digits?	
2)	Subtract 9000 from this number.	
3)	What is the smallest 7-digit number you can make?	
4)	Add 900 to this number.	
5)	What is the largest multiple of 50 you can make?	
6)	What is the smallest even number you can make?	
7)	What is the closest number to 8 million you can make?	
8)	Make a 7-digit number which is divisible by 4.	
9)	Make a 7-digit number which is divisible by 6.	
10)	Write 5 different numbers between 2,510,000 and 2,511,000 you can make.	
11)	Write these 5 numbers in order from smallest to largest.	
12)	Look at the number 1,256,709.	
	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.	
	Round it to the nearest 100,000.	
	Round it to the nearest million.	

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7-DIGIT NUMBER CHALLENGES 1 ANSWERS

Use the digits 0, 1, 2, 5, 6, 7 and 9 to make a 7-digit number each time.

3)	What is the largest 7-digit number you can make with the digits?	9,765,210
4)	Subtract 9000 from this number.	9,756,210
3)	What is the smallest 7-digit number you can make?	1,025,679
4)	Add 900 to this number.	1,026,579
5)	What is the largest multiple of 50 you can make?	9,762,150
6)	What is the smallest even number you can make?	1,025,796
7)	What is the closest number to 8 million you can make?	7,965,210
8)	Make a 7-digit number which is divisible by 4.	last 2 digits must be divisible by 4
9)	Make a 7-digit number which is divisible by 6.	any 7-digit even number made with the digits will be a multiple of 6
10)	Write down 5 different numbers between 2,510,000 and 2,511,000 that you can make.	Any 5 out of 6 2,510,679 2,510,697 2,510,769 2,510,796 2,510,967 2,510,976
11)	Write these 5 numbers in order from smallest to largest.	See above
12)	Look at the number 1,256,709.	
	Round it to the nearest 10.	1,256,710
	Round it to the nearest 100.	1,256,700
	Round it to the nearest 1000.	1,257,000
	Round it to the nearest 10,000.	1,260,000
	Round it to the nearest 100,000.	1,300,000
	Round it to the nearest million.	1,000,000