

Name

Date



6-DIGIT NUMBER CHALLENGES 1

Use the digits **1, 2, 4, 5, 7** and **8** to make a **6-digit** number each time.

1)	What is the largest 6-digit number you can make with the digits?	
2)	Subtract 900 from this number.	
3)	What is the smallest 6-digit number you can make?	
4)	Add 90,000 to this number.	
5)	What is the largest multiple of 5 you can make?	
6)	What is the smallest odd number you can make?	
7)	What is the closest number to 600,000 you can make?	
8)	Make a 6-digit number which is divisible by 3.	
9)	Make a 6-digit number which is divisible by 4.	
10)	Write down 5 different numbers between 240,000 and 250,000 that you can make.	
11)	Write these 5 numbers in order from smallest to largest.	
12)	Look at the number 275,418	
	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.	

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6 DIGIT NUMBER CHALLENGES 1 ANSWERS

Use the digits 1, 2, 4, 5, 7 and 8 each time.

1)	What is the largest 6 digit number you can make with the digits?	875,421
2)	Subtract 900 from this number.	874,521
3)	What is the smallest 6 digit number you can make?	124,578
4)	Add 90,000 to this number.	214,578
5)	What is the largest multiple of 5 you can make?	874,215
6)	What is the smallest odd number you can make?	124,587
7)	What is the closest number to 600,000 you can make?	587,421
8)	Make a 6 digit number which is divisible by 3.	any 6-digit number made with the digits in any order
9)	Make a 6 digit number which is divisible by 4.	the last 2 digits must be divisible by 4, e.g. 876,124
10)	Write down 5 different numbers between 240,000 and 250,000 that you can make.	Any 5 of these 6 241,578 241, 587 241, 758 241, 785 241, 857 241, 875
11)	Write these 5 numbers in order from smallest to largest.	See above
12)	Look at the number 275,418	
	Round it to the nearest 10.	275,420
	Round it to the nearest 100.	275,400
	Round it to the nearest 1000.	275,000
	Round it to the nearest 10,000.	280,000
	Round it to the nearest 100,000.	300,000