

# Number and Place Value Challenge Cards



## Number and Place Value Challenge Cards

Round each of these numbers to the nearest 10, 100 and 1000.

	nearest 10	nearest 100	nearest 1000
2875			
8354			
7562			
5593			

## Number and Place Value Challenge Cards

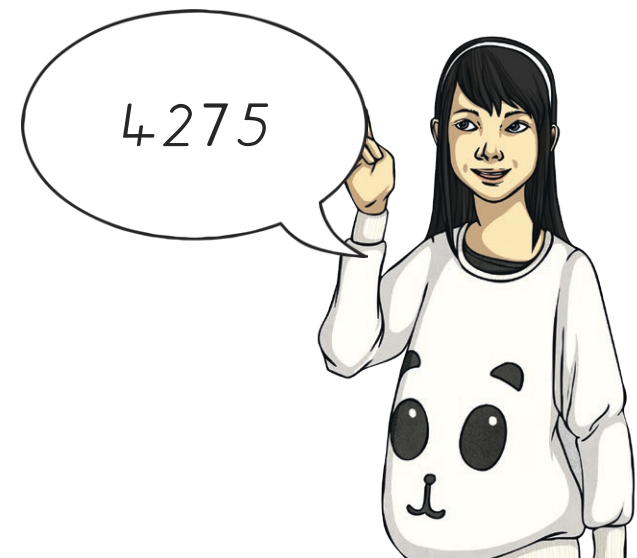
Each row is a four-digit number. Add the missing digits to complete each row so that the numbers are in order from largest to smallest.



4	5		7
3		5	8
		3	2
2	8		
	5		8
	0	9	7

## Number and Place Value Challenge Cards

How many different ways can you represent this number?



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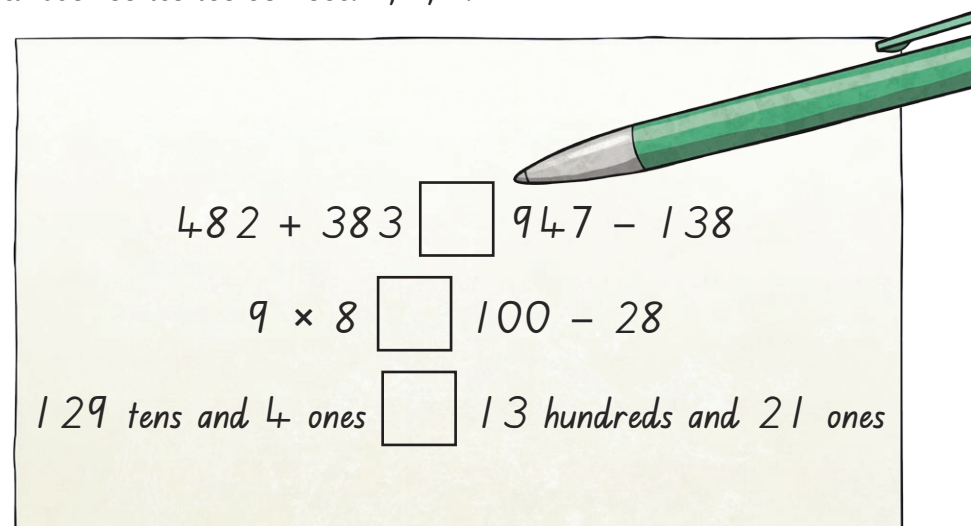
How many multiples of 6 can you make using these digits?

You can only use each digit once in each number.



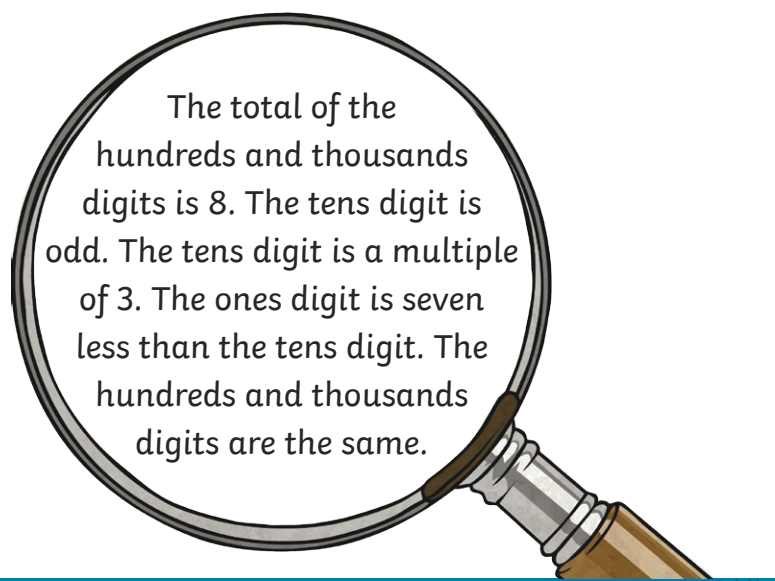
Number and Place Value Challenge Cards

Insert one of the following symbols to make each comparison number sentence correct:  $>$ ,  $<$ ,  $=$ .



Number and Place Value Challenge Cards

Use the clues to reveal the number.



Number and Place Value Challenge Cards

How many different ways can you partition the following number?



### Number and Place Value Challenge Cards

How many four-digit numbers can you make using the following digits? Find 1000 more and 1000 less than each number.



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### Number and Place Value Challenge Cards

Use the clues to reveal the number.



The ones digit is one more than the thousands digit. The total of the digits is ten. The difference between the highest and the lowest digit is 4. The thousands digit is the same as  $1 + 2$ . The hundreds digit is half of 6.

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# Number and Place Value Challenge Cards **Answers**

Question	Answer
1.	Round each of these numbers to the nearest 10, 100 and 1000.  2875: <b>2880, 2900, 3000</b> 8354: <b>8350, 8400, 8000</b> 7562: <b>7560, 7600, 8000</b> 5593: <b>5590, 5600, 6000</b>
2.	Each row is a four-digit number. Add the missing digits to complete each row so that the numbers are in order from largest to smallest.  <b>Multiple answers. The numbers need to be in order from smallest to largest.</b>
3.	How many different ways can you represent this number? 4275  <b>Multiple answers possible.</b>
4.	How many multiples of 6 can you make using these digits? You can only use each digit once in each number. 6 4 2  <b>6, 24, 42, 642, 624, 426, 462, 264, 246</b>

5.	Insert one of the following symbols to make each comparison number sentence correct: >, <, =.  $482 + 383 > 947 - 138$ $9 \times 8 = 100 - 28$ 129 tens and 4 ones < 13 hundreds and 21 ones
6.	Use the clues to reveal the number.  The total of the hundreds and thousands digits is 8. The tens digit is odd. The tens digit is a multiple of 3. The ones digit is seven less than the tens digit. The hundreds and thousands digits are the same. <b>4492</b>
7.	How many different ways can you partition the following number? 3941  <b>Multiple answers possible.</b>
8.	How many four-digit numbers can you make using the following digits? Find 1000 more and 1000 less than each number. 3 4 7 2  <b>Multiple answers possible.</b>
9.	Use the clues to reveal the number.  The ones digit is one more than the thousands digit. The total of the digits is ten. The difference between the highest and the lowest digit is 4. The thousands digit is the same as $1 + 2$ . The hundreds digit is half of 6. <b>3304</b>