THIRD SPACE
LEARNING

Word Problems

11 place value and rounding questions to develop reasoning and problem solving skills

Grade 2

Questions

Name: ………………………………………   Date: ………………………………………

1 Mateo has 500 points and Zeph has 800 points. Complete the statements.

a Mateo's points equal [ ] hundreds, [ ] tens and [ ] ones.

b Zeph's points equal [ ] hundreds, [ ] tens and [ ] ones.

2 Martina wrote the number words:

four hundred and eighty-nine		eight hundred and fifty-six
six hundred and eighty-five		nine hundred and thirty-five
five hundred and ten		

Help Martina complete the table showing the number words with their digits in the right place values.

Be careful, the order of the written numbers is not the same as the numbers in the table.

Hundreds	Tens	Ones
		5
	5	
		9
5		
	8	

3   Hayden and DJ are counting their coins.

Hayden is at 97 and skip-counting by 5s. Show the next 4 numbers Hayden will count.

97				

DJ is at 56 and decides to start skip-counting by 10. Show the next 4 numbers DJ will count.
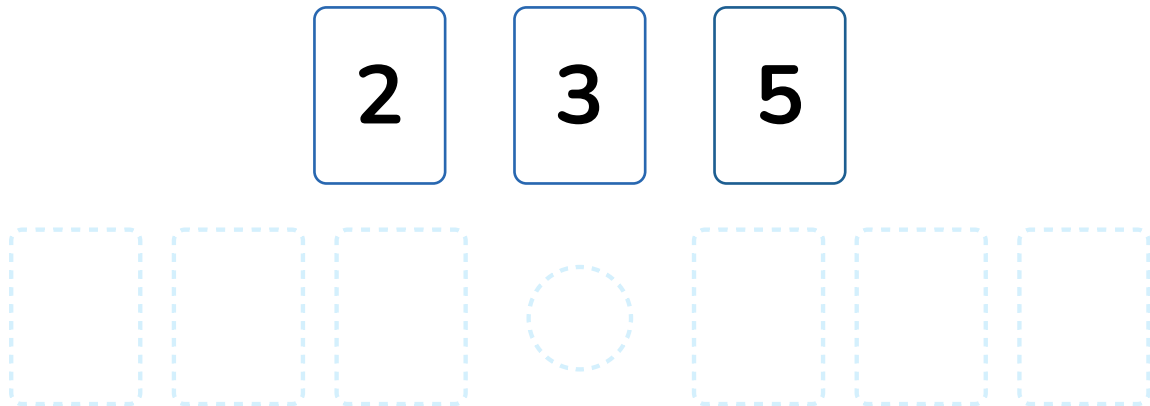
56				

4   Complete the table below by finding 10 more and 10 less than the actual number.

Every number has 3 digits.

The first example has been done for you.

10 less	Actual Number	10 more
461	471	481
944		
	362	
123		
	845	
	603	

5   Using the cards below, make two different 3-digit numbers. Compare them with the symbol < or >.

$$\boxed{2} \quad \boxed{3} \quad \boxed{5}$$

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6   Place the number 320 in the correct place on each of the number lines below.

0 —————————————————— 350
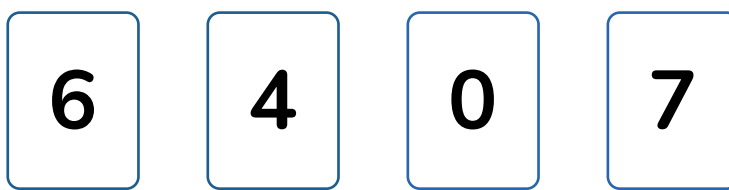
250 ————————————————— 350

300 ————————————————— 350

310 ————————————————— 350

7   Nonhle and Cora were talking about the number 429.

Nonhle said "429 is the same as 400 + 20 + 9."

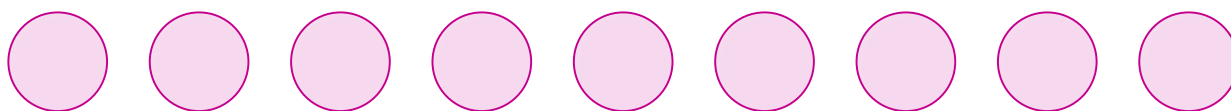Cora said "No, 429 is the same as 4 + 2 + 9."

Who is correct and why?

Answer

8   Using three out of the four digit cards below, make two true number sentences, using the < or > symbol.

| 6 | 4 | 0 | 7 |

9 All 9 counters are placed in the place value grid below.

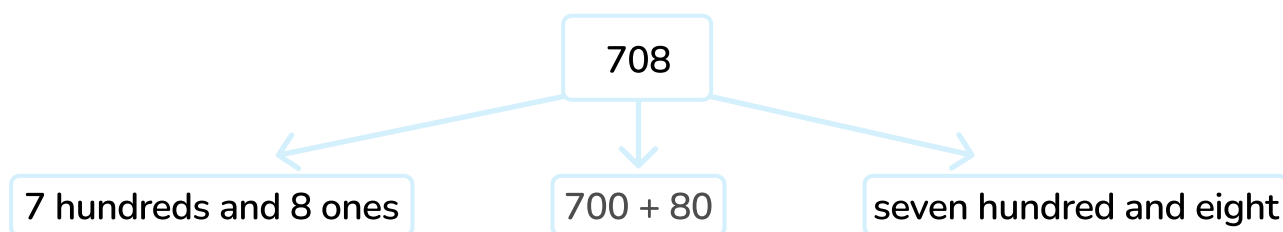| H	T	O

a Identify the largest 3-digit number you can make with at least one counter in each column of the chart.

Answer

b Identify the smallest 3-digit number you can make with at least one counter in each column of the chart.

Answer

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10 Dae shows 708 in three ways.

708

7 hundreds and 8 ones   700 + 80   seven hundred and eight

Find and explain Dae's mistake.

Answer

Challenge Question!

Asma's teacher gives clues about a 3-digit number.
- Each digit is different.
- There are more than 6 tens.
- There are more ones than any other place value position.
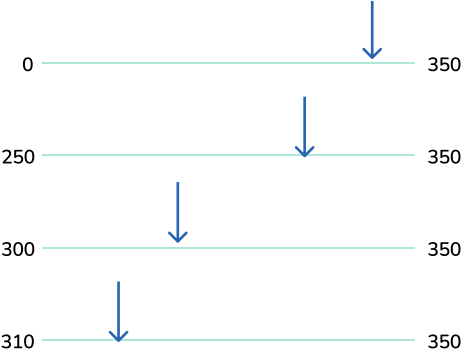- The hundreds position has an odd number greater than 5.

What is the number?

Answer

Answers

Question number	Question	Answers	Standard
1	Mateo has 500 points and Zeph has 800 points. Complete the statements. a) Mateo's points equal ? hundreds, ? tens and ? ones. b) Zeph's points equal ? hundreds, ? tens and ? ones.	a) Mateo's points equal 5 hundreds, 0 tens and 0 ones. b) Zeph's points equal 8 hundreds, 0 tens and 0 ones.	2.NBT.A.1b
2	Martina wrote the number words: (see diagram) Help Martina complete the table showing the number words with their digits in the right place values. Be careful, the order of the written numbers is not the same as the numbers in the table.	(see table below)	2.NBT.A.1 2.NBT.A.3
3	Hayden and DJ are counting their coins. Hayden is at 97 and skip-counting by 5s. Show the next 4 numbers Hayden will count. 97, ___, ___ , ___, ___ DJ is at 56 and decides to start skip-counting by 10. Show the next 4 numbers DJ will count. 56, ___, ___, ___, ___	Hayden: 97, 102, 107, 112 DJ: 66, 76, 86, 96	2.NBT.A.2

Table for Question 2:

Hundreds	Tens	Ones
9	3	**5**
8	**5**	6
4	8	**9**
5	1	0
6	**8**	5

Question number	Question	Answers	Standard
4	Complete the table below by finding 10 more and 10 less than the actual number. Every number has 3 digits. The first example has been done for you.	<table><tr><th>10 less</th><th>Actual Number</th><th>10 more</th></tr><tr><td>461</td><td>471</td><td>481</td></tr><tr><td>944</td><td>954</td><td>964</td></tr><tr><td>352</td><td>362</td><td>372</td></tr><tr><td>123</td><td>133</td><td>143</td></tr><tr><td>835</td><td>845</td><td>855</td></tr><tr><td>593</td><td>603</td><td>613</td></tr></table>	2.NBT.B.8
5	Using the cards below, make two different 3-digit numbers. Compare them with the symbol < or >. (2) (3) (5)	Answers will vary. Any correct number sentence using 2, 3 and 5 to compare two 3-digit numbers. For example: 235 < 253	2.NBT.A.1 2.NBT.A.4
6	Place the number 320 in the correct place on each of the number lines below:		2.NBT.A.4
7	Nonhle and Cora were talking about the number 429. Nonhle said "429 is the same as 400 + 20 + 9." Cora said "No, 429 is the same as 4 + 2 + 9." Who is correct and why?	Answers will vary, but should identify Nonhle as correct and justify using place value reasoning	2.NBT.A.1 2.NBT.A.3
8	Using three out of the four digit cards below, make two true number sentences, using the < or > symbol. (6) (4) (0) (7)	Answers will vary. Any correct number sentence using 3 of the 4 digit cards (6, 4, 0, 7) to compare two sets of 3 digit numbers. For example: 640 > 467	2.NBT.A.4

Question number	Question	Answers	Standard
9	All 9 counters are placed in the place value grid below. (see diagram) a) Identify the largest 3-digit number you can make with at least one counter in each column of the chart. b) Identify the smallest 3-digit number you can make with at least one counter in each column of the chart.	a) Largest number: 711 b) Smallest number: 117	2.NBT.A.1 2.NBT.A.4
10	Dae shows 708 in three ways. (see diagram) Find and explain Dae's mistake.	Answers will vary. Example answer: Dae, 708 is 700 + 8, not 700 + 80. This is because the 8 is 8 ones, not 8 tens.	2.NBT.A.1 2.NBT.A.3
Challenge Question	Asma's teacher gives clues about a 3-digit number. • Each digit is different. • There are more than 6 tens. • There are more ones than any other place value position. • The hundreds position has an odd number greater than 5. What is the number?	789	2.NBT.A.1 2.OA.C.3

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