



STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
TELANGANA, HYDERABAD.

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Class: 5

Medium: English

Subject: Mathematics

Name of the chapter: Bigger Numbers

Topic/ concept: Word problems of number concepts

I. Learning out comes:

- Able to solve the word problems related to the concept of numbers.

II. Conceptual understanding/Activity/Model Problem:

- You have learned so far, Formation of numbers using digits and expansion of numbers based on the place value.
- Let us learn about the word problems of the concept of number with the above concepts.

- 1. I am a four-digit number, The digit in the tens place is two times to the digit in the once place, the digit in the hundreds place is three times to the digit in the once place, the digit in the thousands place is four times to the digit in the once place and the sum of all the digits are 20. Who am I?**

Th H T O

Four-digit number =

The digit in the ones place = Let 1

Digit in tens place = Two times to the ones place = $2 \times 1 = 2$

Digit in hundreds place = Three times to the ones place = $3 \times 1 = 3$

Digit in thousands place = Four times to the ones place = $4 \times 1 = 4$

	Th	H	T	O
Four digit numbers is =	4	3	2	1

Sum of the all digits in the number 4321 is = $4 + 3 + 2 + 1 = 10$

(This is not a correct number because the sum of digits in the number 4321 is not equal to 20)

Let once place digit is = 2

Digit in tens place = Two times to the ones place = $2 \times 2 = 4$

Digit in hundreds place = Three times to the ones place = $3 \times 2 = 6$

Digit in thousands place = Four times to the ones place = $4 \times 2 = 8$

	Th	H	T	O
Four digit numbers is =	8	6	4	2

Sum of the all digits in the number 8642 is = $8 + 6 + 4 + 2 = 20$

(This is the correct number because the sum of digits in the number 8642 is equal to 20)

2. What is the difference of the place values of 8 and 2 in the number 8726?

Write the numbers 8726 according the place values

$8726 = 8 \text{ thousand} + 7 \text{ hundred} + 2 \text{ tens} + 6 \text{ ones}$

$8726 = 8000 + 700 + 20 + 6$

The place value of 8 in the number 8726 is =

The place value of 2 in the number 8726 is =

Difference

	Th	H	T	O
The place value of 8 in the number 8726 is =	8	0	0	0
The place value of 2 in the number 8726 is =	-		2	0
Difference	<hr style="width: 100%;"/>	7	9	8
	<hr style="width: 100%;"/>			0

The difference of the place values of 8 and 2 in the number 8726 = 7980

III. Worksheet:

1. Write all the four digit numbers that have 9 in the thousands place, 8 in the hundreds place and the tens place digit is two more to the once place digit?

Let once place digit is = 1

The tens place digit is = Two more to the once place digit = $1+2=3$

Let once place digit is = 2

The tens place digit is = Two more to the once place digit = $2+2=4$

Similarly find the tens place digits from 3, 4, 5, 6 and $7 = 3+2=5$.

The hundreds place digit is = 8

The thousands place digit is = 9

Four-digit numbers that are 8 is in the hundreds place and 9 is in the tens place

= 9831, 9842, _____, _____, _____, _____.

Note: In the above problem you can write a total of 7 numbers. Two numbers are written; fill the remaining 5 numbers yourself.

2. What is the difference between the largest three-digit number and the smallest two-digit numbers?

Largest three digit number is =

H T O

Smallest two digit number is=

Difference

The difference between the largest three-digit number and the smallest two-digit number is = _____.

3. Write all the three-digit numbers. 5 is in the tens place and same digit is in the both the places units and hundreds?
4. I am a three three-digit number. I have 8 in the once place, 2 is in the place of hundreds and the digit is in the tens place is 4 times to the hundreds place. Who am I?
5. I am a four-digit number. I have 4 in the thousands place, 3 is in the hundreds place, 2 is in the tens place and 5 is in the units place. Who am I?
6. I am a four-digit number. The digit is in the thousands place is the largest one-digit number, the digit is in the units place is the smallest one-digit number. Same digit is 3 in the both places tens and hundreds.
7. Write all the four-digit numbers. The digit is in the tens place is 2 times to the units place, Hundreds place digits is 5 and thousands place digit is 2?
8. What is the difference of the place values of 3 and 4 in the number 2347?
9. Subtract the largest three-digit number from smallest four-digit number?
10. What is the difference of the place values of 5 and 9 in the number 5069?

Instructions:

- For more practice solve the problems in page number 15 and 16 of the class 5 Mathematics textbook.
- Prepare some more problems and discuss with your friends.

IV. What I have learnt:

1. I can solve the word problems related to the concepts of number.

I can do

I can't do