



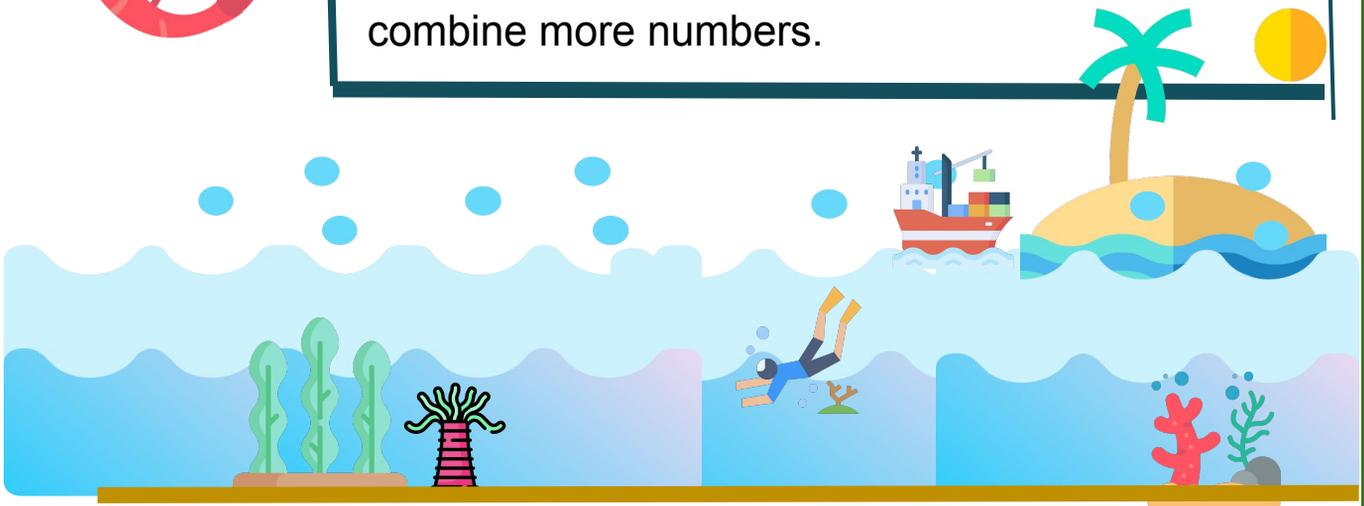
Helping With Math

Writing multi-digit numbers
using base 10 numerals

GRADE 4



Multi-digit numbers are used in our number system. They are formed by combining several numbers. For example, 3, 425 is a combination of different (3, 4, 2, and 5). The use of base 10 numerals allows us to combine more numbers.



Base 10 numerals are numbers **0, 1, 2, 3, 4, 5, 6, 7, 8, and 9.**



CONCEPTS

A Multi-digit numbers is sequenced according to how we say it.

For example:

273 whales (two hundred seventy-three)

A multi-digit number can be expressed through:

...base hundred units (two hundred, five hundred, 21 hundreds)

...base thousands units (one thousand, three thousand)

...base ten thousand units (9 ten thousands, 15 ten thousands)

and so on...



CONCEPTS

Our number system uses a combination of numbers.
The numbers are assigned a place value.

For example:

6, 832 fisherfolks

Thousand	Hundreds	Tens	Ones
6	8	3	2

Can be read as..

Six thousand eight, hundred thirty-two fisherfolks.

- .. the place value of 6 is 6, 000
- .. the place value of 8 is 800
- .. the place value of 3 is 30
- .. the place value of 2 is 2



Writing multi-digit numbers using base 10 numerals



CONCEPTS

Multi-digit numbers using base 10 numerals is also used in our monetary system.

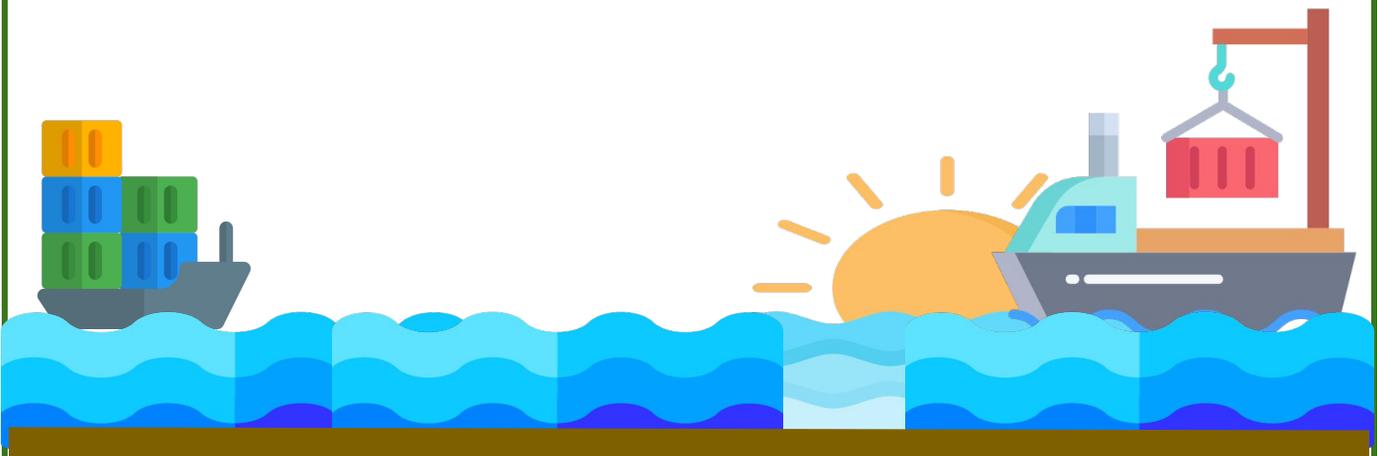
For example

Mr. Shin paid \$ 734, 315 for five tons of tuna.

Hundred Thousand	Ten Thousands	Thousand	Hundreds	Tens	Ones
7	3	4	3	1	5

or

**Seven hundred thirty-four thousand,
three hundred fifteen**



CONCEPTS

To write a multi-digit number, it is important to take note of the **THOUSANDS PERIOD** and **ONES PERIOD**. Each period has ones, tens, and hundreds place.

Remember to put a comma (,) to separate the periods when writing its **STANDARD FORM** and **WORD FORM**.

Look at the example below.

Thousands Period			Ones Period		
Hundred Thousands	Ten Thousands	Thousands	Hundred	Tens	Ones
4	5	3	7	9	1

In a **STANDARD FORM**, it can be written as :

453, 791

(We use digits to write the number)

In a **WORD FORM**, it can be written as:

Four hundred fifty-three, seven hundred ninety-one

(We use words to write the numbers)

In an **EXPANDED FORM**, it can be written as:

400, 000 + 50, 000 + 3, 000 + 700 + 90 + 1

(We use place value to write the numbers)



CONCEPTS

REMEMBER!

When writing the word form of a multi-digit number, take note of the following rules:

1. Put a hyphen when writing numbers from twenty-one through ninety-nine.

For example

43, 756

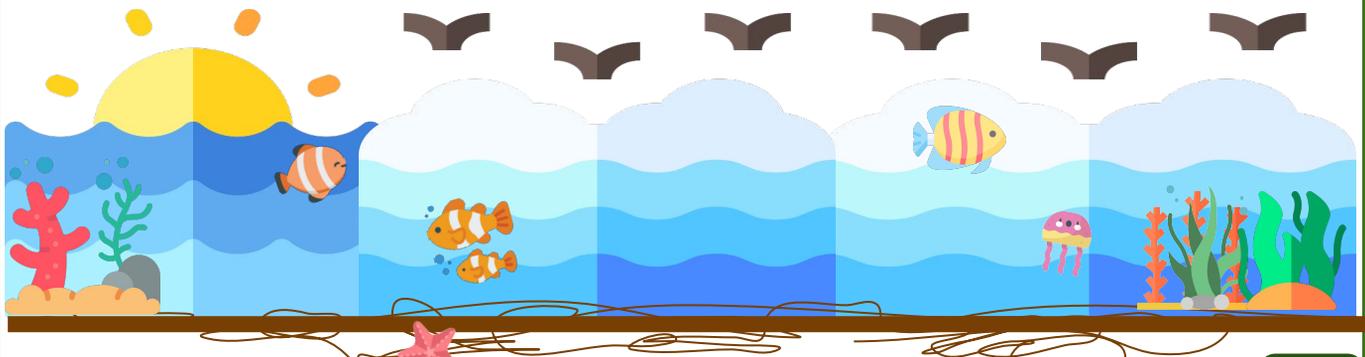
Correct: *Forty-three thousand, seven hundred fifty-six.*
Incorrect: *Forty three thousand, seven hundred fifty six.*

2. It is a common error to put the word AND when writing out a number with three or more digits. The word AND should only be used when describing a decimal notation.

For example

79, 802

Correct: *Seventy-nine thousand, seven hundred fifty-six.*
Incorrect : *Seventy-nine thousand, seven hundred and fifty-six.*

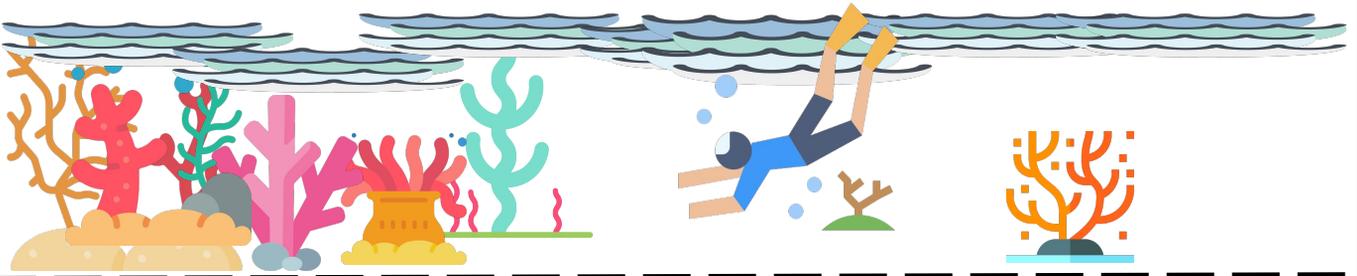


SAMPLE/APPLICATION

Draw a line to connect the number to its corresponding form.

1. **45,532** kinds of corals

- Forty five thousand, five hundred thirty-two.
- Forty five thousand, five hundred thirty two.



2. **5,356** cans of mackerel

- $5,000 + 300 + 50 + 6$
- $50,000 + 3,000 + 500 + 0 + 6$



3. **540** submarines

- Five thousand, forty
- Five hundred forty

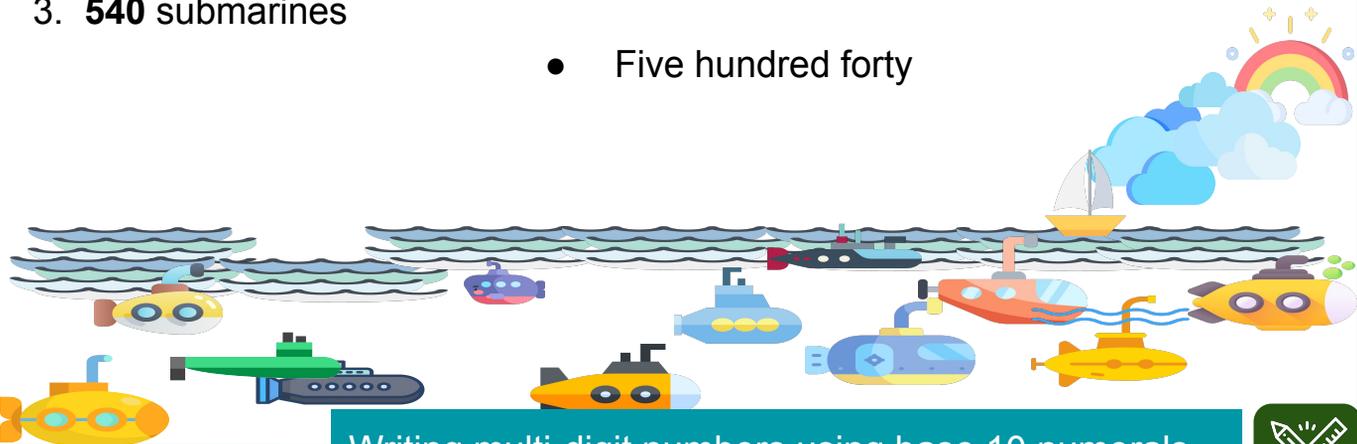


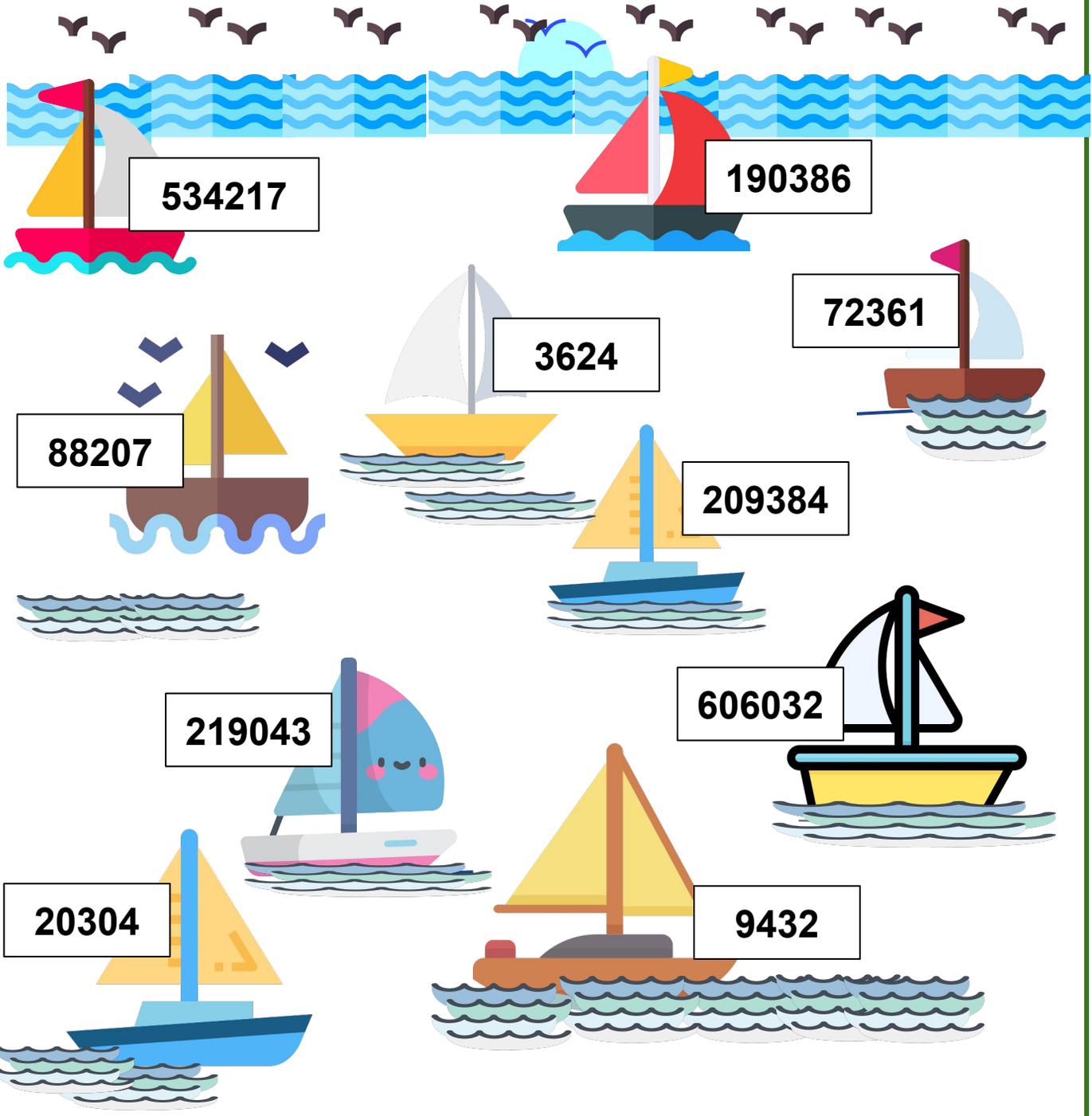
TABLE OF ACTIVITIES

1. Fun day to sail
2. Unlock the treasure
3. Let us go fishing
4. Decorate your aquarium
5. Count me in
6. Finding my value
7. Help save the day!
8. Tic-tac-toe by the sea
9. Mystery number
10. Look, write, cover, and say



FUN DAY TO SAIL

What a great time to sail! Study the numbers in each sailboat. Put a comma to correctly identify multi-digit numerals.



UNLOCK THE TREASURE

Help the pirate unlock the treasure by writing the word form of the corresponding numbers on the spaces provided.

739, 067



20, 304

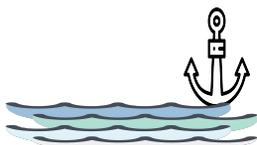


908, 234



6,511





Writing multi-digit numbers using base 10 numerals



LET US GO FISHING

Let us go fishing! Connect the bait to its catch! Write the numbers in its standard form.

Five hundred thousand, seventy-eight

Twenty-three thousand, seven hundred thirty-three

Seven thousand, five hundred sixty-one

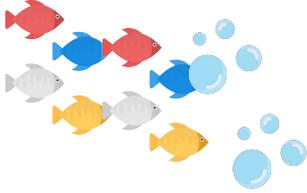
Two hundred eighty-six thousand, five hundred fifteen

Eight hundred ninety-seven



DECORATE YOUR AQUARIUM

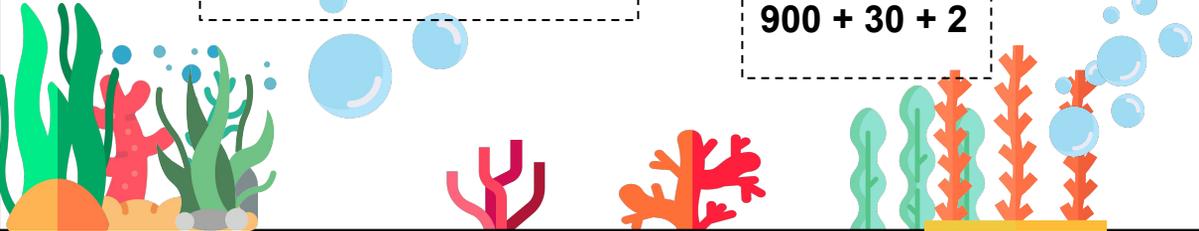
Decorate your aquarium! Study the numbers inside the aquarium container. Cut the picture of the sea creatures on the next page and paste it in the corresponding multi-digit number.


$$200,000 + 60,000 + 2,000 + 400 + 50 + 3$$


$$1000 + 300 + 50 + 6$$


$$300,000 + 90,000 + 1,000 + 800 + 60 + 5$$

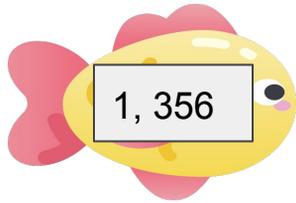

$$40,000 + 700 + 70 + 7$$


$$900 + 30 + 2$$

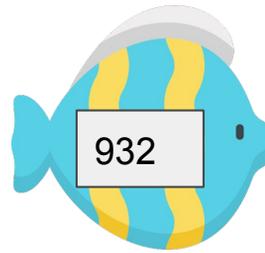


DECORATE YOUR AQUARIUM

Cut the pictures below and paste it to the corresponding numbers to decorate your aquarium.



1, 356



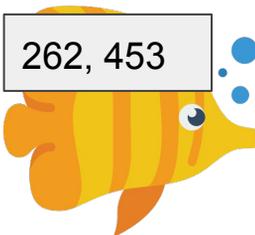
932



40, 777



391, 865

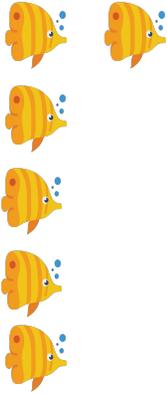


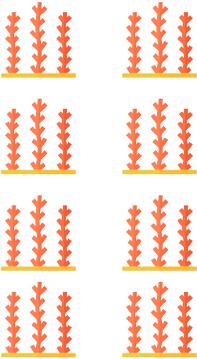
262, 453



COUNT ME IN

Count the sea creatures in each column. Write your answer in the space provided.

Hundreds	Tens	Ones
		

Hundreds	Tens	Ones
		



FINDING MY VALUE

Study the numbers. Fill the table to identify the place value of the corresponding number.

40,328

_____ place	4
_____ place	0
_____ place	3
_____ place	2
_____ place	8



FINDING MY VALUE

Study the numbers. Fill the table to identify the place value of the corresponding number.

952,670

_____ place

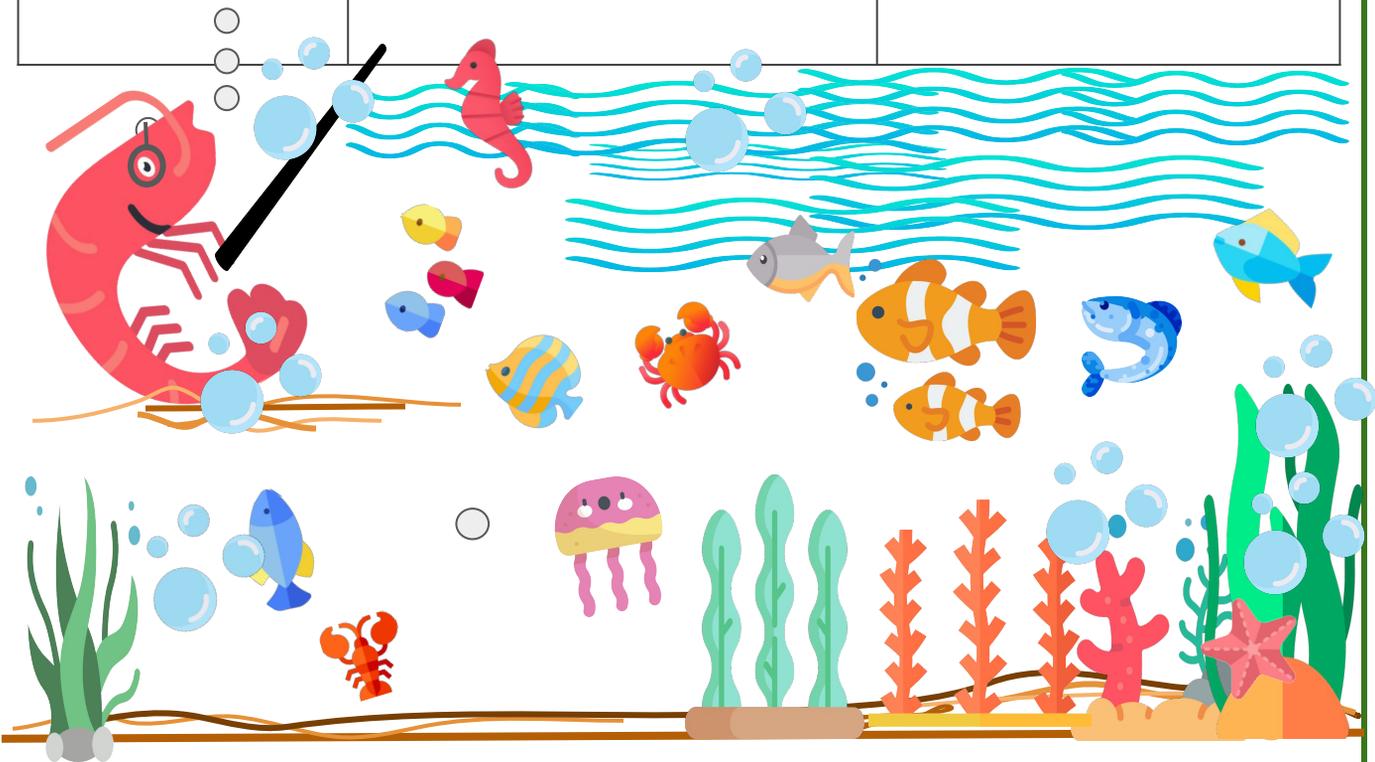


HELP SAVE THE DAY!

Help the sea creatures with their tasks by writing your own combination of multi-digit numbers. Fill in the corresponding table.



Standard Form	Word Form	Expanded Form



TIC-TAC-TOE BY THE SEA

Do you want to play sea tic-tac-toe? Choose your team and start playing! Do the task that is asked in each section to complete your tic-tac-toe.

409, 534

(Word form)

**One thousand,
fifty-seven**

(Standard form)

**90,000 + 2, 000 +
300 + 40 + 6**

(Standard form)

**Ninety-three
thousand, Eight
hundred one**

(Standard form)

**3,000 + 600 +
50 + 2**

(Word form)

**One thousand ,
four hundred
sixty-two**

(Expanded form)

Eight thousand

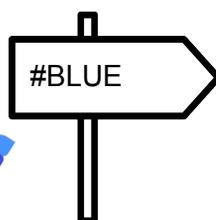
(Standard form)

100, 000

(Word form)

**100, 000 + 20, 000
+ 4, 000 + 900 +
20**

(Word form)



MYSTERY NUMBER

Help the whale solve the mystery! Write your answer in the blank provided.

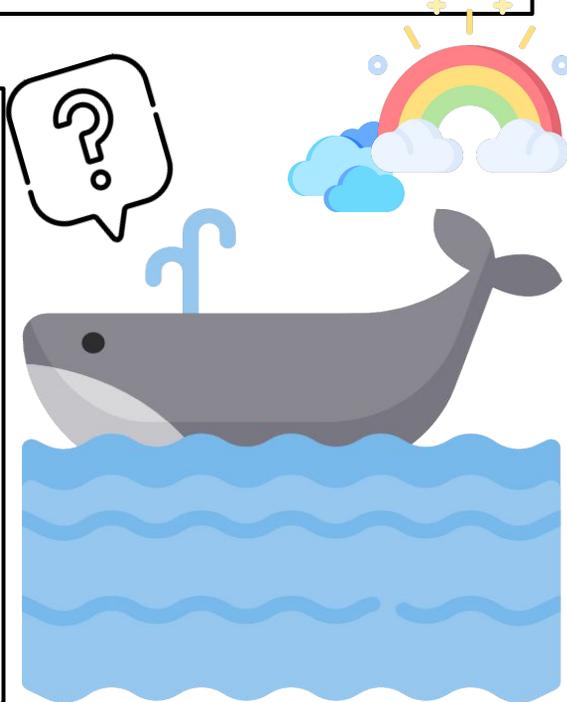


I am a six-digit number.
My hundreds digit is 1.
My ten thousands digit is the same as my ones digit.
My tens digit is eight times my hundreds digit.
My thousand digit is the product of my hundred digit and tens thousands digit.
My ones digit is twice my hundreds digit.
My hundred thousands digit is the sum of my hundreds and ones digit.
What multi-digit number am I?

— — — — —

I am a four-digit number.
My hundreds digit is twice my tens digit.
My tens digit is 3.
My ones digit is the same as my hundreds digit.
My thousand digit the sum of my tens and hundred digits.
What multi-digit number am I?

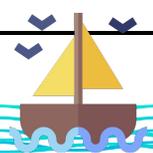
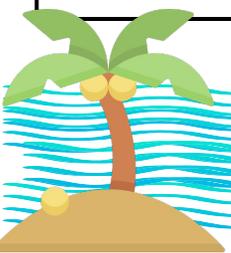
— — — —



LOOK, WRITE, COVER, AND SAY

Study the multi-digit numbers in the first column. In the second column, write the word form of the numbers. In the third, cover the first and second columns and write the same number. In the last column, cover the first three columns and recite the numbers.

LOOK and READ	WRITE (word form)	COVER and WRITE (number form)	COVER and SAY
90, 405 Liters of seawater			
2, 341 Tones of squid			
713, 643 Pounds of angel fish			
222, 454 Kinds of corals			
721 fisherfolks			



ANSWER KEY

ACTIVITY 1

1. 534, 217
2. 190, 386
3. 88, 207
4. 3, 624
5. 72, 361
6. 209, 384
7. 219, 043
8. 606, 032
9. 20, 304
10. 9, 432

ACTIVITY 2

1. Seven hundred thirty-nine thousand, sixty-seven.
2. Twenty thousand, three hundred four.
3. Nine hundred eight thousand, two hundred thirty-four
4. Six thousand, five hundred eleven.

ACTIVITY 3

1. 500, 078 2. 23, 733 3. 7, 561 4. 897 5. 286, 515

ACTIVITY 4

1. $200,000 + 80,000 + 2,000 + 400 + 650 + 3 =$ 262, 453
2. $1000 + 300 + 50 + 6 =$ 1, 356
3. $300,000 + 90,000 + 1,000 + 8,000 + 60 + 5 =$ 391, 865
4. $40,000 + 700 + 70 + 7 =$ 40, 777
5. $900 + 30 + 2 =$ 932



ANSWER KEY

ACTIVITY 5

1. 643

2. 825

ACTIVITY 6

1. 40,328

5. 952,670

4 (ten thousands)

0 (thousands)

3 (hundreds)

2 (tens)

8 (ones)

9 (hundred thousand)

5 (ten thousand)

2 (thousand)

6 (hundred)

7 (tens)

0 (ones)

ACTIVITY 7 (Sample answer)

Standard Form	Word Form	Expanded Form
89,321	Eighty-nine thousand, three hundred twenty-one	$80,000 + 9,000 + 3000 + 20 + 1$



ANSWER KEY

ACTIVITY 8

Four hundred nine thousand, five hundred thirty-four	1, 057	92, 346
93, 801	3, 652	$1000 + 400 + 60 + 2$
8, 000	One hundred thousand	One hundred twenty-four thousand, nine hundred two.

ACTIVITY 9

1. 322, 182

2. 9636

ACTIVITY 10 (Sample answer)

90, 405	Ninety thousand, four hundred five	Ninety thousand, four hundred five	
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