



# Helping With Math

## Place Value of a 3-Digit Number

GRADE 2



Do you know that \$50 is different from \$500? Learning place value of a number helps us determine that these two amounts are different and know relationships among numbers.

Your family ordered midnight snacks for a movie marathon. The total delivery charge is \$ 256. Represent 256 in expanded form.



$$256 = 200 + 50 + 6$$

2



Hundreds  
Digit

5



Tens  
Digit

6



Ones  
Digit



## DEFINITION OF PLACE VALUE

# What does place value mean?

$$256 = 200 + 50 + 6$$

2

5

6



Hundreds  
Digit

Tens  
Digit

Ones  
Digit

- Place value determines the value of a digit based on its place in a number,
- In the decimal system, each place is 10x bigger than the place to its right.

Hundreds Digit



It tells you how many sets of 100's are there in a number.

Tens Digit



It tells you how many sets of 10's are there in a number.

Ones Digit



It tells you how many sets of 1's are there in a number.



## EXPANDED FORM OF A NUMBER

**256**

=

2 sets of 100  
+ 5 sets of 10  
+ 6 sets of 1

**592**

=

5 sets of 100  
+ 9 sets of 10  
+ 2 sets of 1

**614**

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

**302**

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

**721**

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

105 = \_\_\_ + \_\_\_ + \_\_\_

300 = \_\_\_ + \_\_\_ + \_\_\_

629 = \_\_\_ + \_\_\_ + \_\_\_

678 = \_\_\_ + \_\_\_ + \_\_\_



## TABLE OF ACTIVITIES

1. Food Delivery
2. What's Your Order?
3. Free Food Boxes
4. Burger Numbers
5. Snack Time
6. Dice and Dine
7. Cut Some Pizza
8. Have Some Juice To Choose
9. Menu at the Resto
10. Food Promo

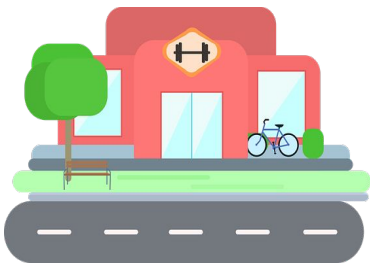


# FOOD DELIVERY

The delivery boy is on his way to your house! But before he arrived on his destination, he must do some stop overs to supply the missing numbers.

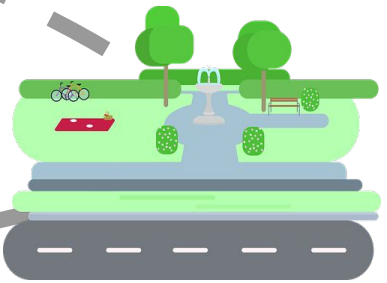
$$1 + \underline{\quad} + 500 = 531$$

$$\underline{\quad} + 40 + 300 = 341$$



$$5 + 60 + \underline{\quad} = 765$$

$$8 + 20 + \underline{\quad} = 928$$



$$9 + 90 + \underline{\quad} = 899$$



$$2 + \underline{\quad} + 100 = 192$$

$$6 + \underline{\quad} + 200 = 276$$



## WHAT'S YOUR ORDER?

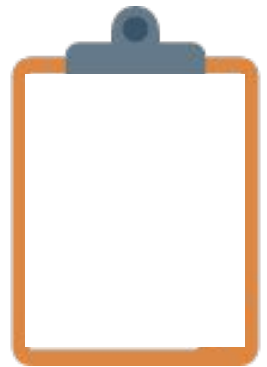
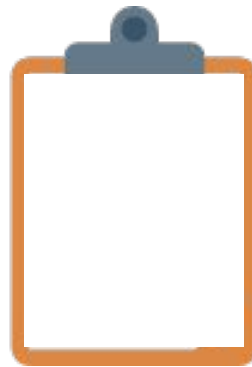
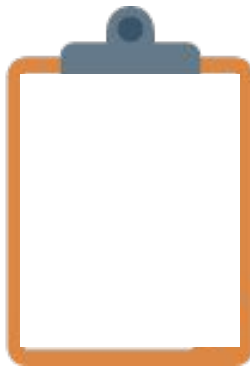
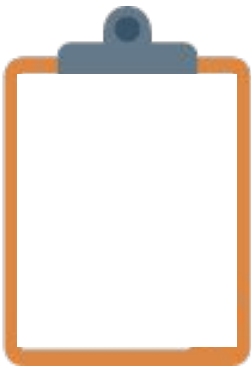
Fill in the order's list with the desired number based on its description.

My  
hundreds  
digit is  
odd

My tens  
digit is  
more  
than 4

My ones  
digit is  
less than  
5

I am an  
even  
number



167

420

621

121

752

574

890

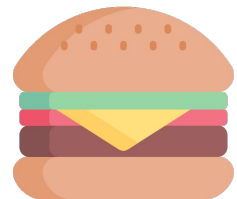
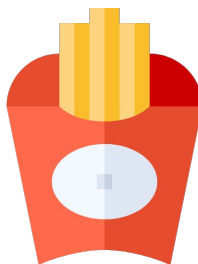
824

386

198

218

312



# FREE FOOD BOXES

Let's go to food bazaar! This stall gives free food boxes if you will be able to write the 3-digit number that it describes.



$$200 + 30 + 2$$

= \_\_\_\_\_

$$300 + 50 + 3$$

= \_\_\_\_\_

$$700 + 40 + 5$$

= \_\_\_\_\_

$$800 + 2$$

= \_\_\_\_\_

$$400 + 90 + 8$$

= \_\_\_\_\_

$$100 + 20 + 0$$

= \_\_\_\_\_



# BURGER NUMBERS

Look at this yummy burgers! However, you can only eat these burgers if you will be able to finish the task. Write on the box the hundreds, tens, and ones digit.



Hundreds	Tens	Ones



Hundreds	Tens	Ones



Hundreds	Tens	Ones



Hundreds	Tens	Ones



Hundreds	Tens	Ones





# SNACK TIME

It's time for snacks! However the snacks will arrive a liitle bit late so your friends decided to do the task below. Write the place value of the underlined digit on the space provided for you.

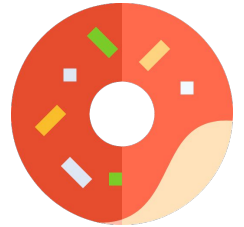
592



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654



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257



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841



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735



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256



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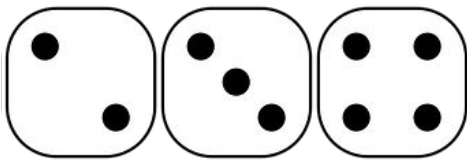


# DICE AND DINE

**It's time for some interesting game while eating your favorite chips!**

How to play this game?

1. Both of you should take turns to roll the three dice.
2. Write the largest number that you can form. Make sure that your partner cannot see it.
3. Read out the number aloud. The player with the largest number wins a point!
4. Record your dice roll and numbers in the table below.
5. Get the sum of your points. The player with the more number of points win!



Example: You got 324 but your partner thought of 432. Since his number is larger than you have, he will earn a point.

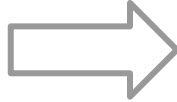
No. of Dots Appeared per Die			Largest Number Made	Points
				Total:



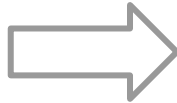
## CUT SOME PIZZA

Just like we cut a pizza, cut and paste the number that is being described in each box.

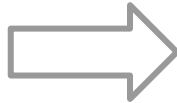
I am three  
hundreds, seven  
tens, and eight  
ones.



I got four  
hundreds and one  
tens.



My hundreds are  
eight and my  
ones are two.



I am less than  
500. My first digit  
is 4, second digit  
is 1 and last is 3.



**802**

**413**

**378**

**401**

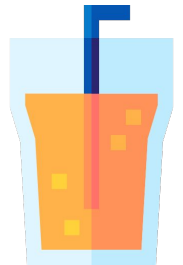


# HAVE SOME JUICE TO CHOOSE

Hurry and drink your orange juice so you can already choose which digit is needed.

Identify all of the hundreds digit of the following numbers.

NUMBER	HUNDREDS' DIGIT	IN WORDS
178		
481		
700		



Identify all of the tens and ones digit of the following numbers.

NUMBER	TENS' DIGIT	ONE'S DIGIT	IN WORDS
512			
692			
967			



# MENU AT THE RESTO

**It's a bit strange! Look at the Resto's Menu. You need to answer these problems first before you place your order.**

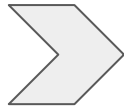
In the number 520, what is the place value of the 2nd digit?



What is the expanded form of 478?



Ken's number has two tens, one ones, and nine hundreds. What is his number?



CJ's number is 25 more than Ken's number. What is CJ's number?



# FOOD PROMO

Carl invited a friend to answer these items to avail the free food at the restaurant nearby. What do you think are the answers?

$$109 = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$500 = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$667 = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$871 = \underline{\quad} + \underline{\quad} + \underline{\quad}$$



402

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

950

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

615

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1

389

=

\_\_\_ sets of 100  
+ \_\_\_ sets of 10  
+ \_\_\_ sets of 1



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Thank you!



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