



5th
Basic

6th
Advanced

Helping With Math

USA
GRADES

Place Value: Ten Thousand and
Hundred Thousand

*Suitable for students
aged 9-11*



This pack is suitable for learners aged 9-11 years old or 5th to 6th grades (USA). The content covers fact files and relevant basic and advanced activities involving place value: ten thousand and hundred thousand.

Kung Hei Fat Choi!



Chinese New Year or Lunar New Year is one of the prosperous festivities observed in China and by the Chinese community worldwide. It is called Lunar New Year because its dates of celebrations follow the phases of the moon.

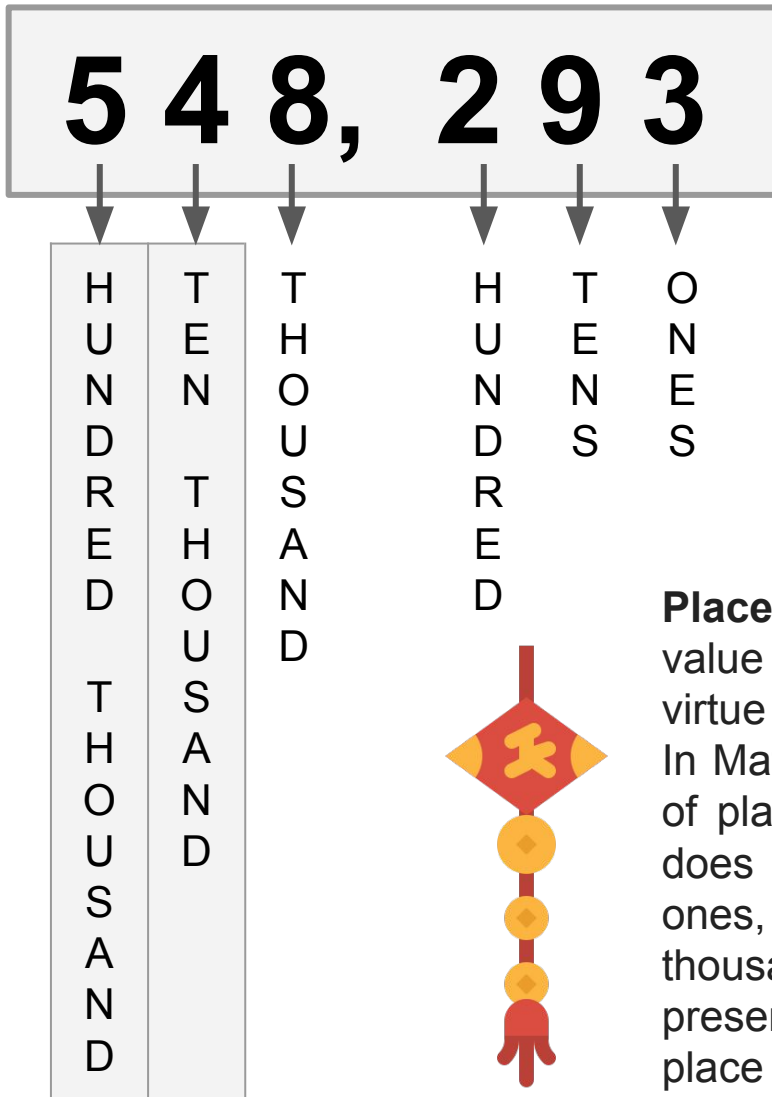
This holiday is usually celebrated with fireworks, firecrackers, and anything red in color that attracts prosperity and good luck.

- Place value is the value represented by a digit in a number based on its position.
- Every digit in a number has a place value.



PLACE VALUE CHART

In this number, let us identify the place value of each digit.

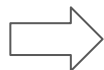


Place value is the numerical value that a digit has by the virtue of its position in a number. In Math, aligned with the context of place value, a whole number does not only revolved with ones, tens, hundreds, and thousands. If a bigger number is presented, there is an additional place value for them.

548, 293 is read as

“Five hundred forty-eight thousand, two hundred ninety-three.”

Ten Thousand



It tells you how many sets of 10, 000s are there.

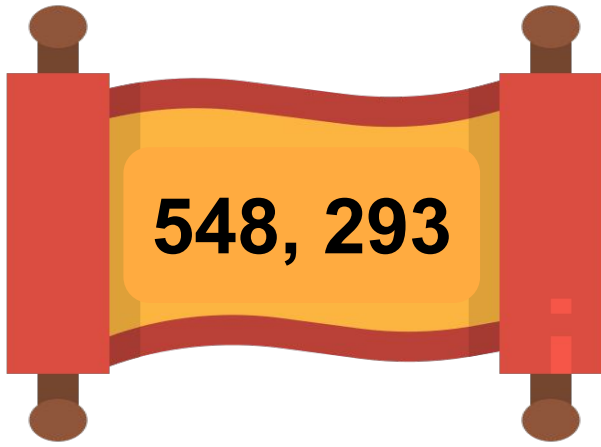
Hundred Thousand



It tells you how many sets of 100, 000s are there.



EXPANDED FORM OF A NUMBER



5 sets of 100, 000

4 sets of 10, 000

8 sets of 1, 000

2 sets of 100

9 sets of 10

3 sets of 1

In expanded form,

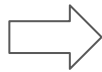
$$548, 293 = 500, 000 + 40, 000 + 8, 000 + 200 + 90 + 3$$

EXAMPLES

Determine how many sets of ten thousand and hundred thousand are there in the number.

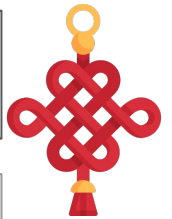
1

451, 062



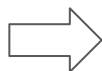
4 sets of hundred thousand
5 sets of ten thousand

$$400, 000 + 50, 000 + 1, 000 + 60 + 2$$



2

987, 630



9 sets of hundred thousand
8 sets of ten thousand

$$900, 000 + 80, 000 + 7, 000 + 600 + 30$$

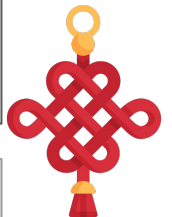


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RED ENVELOPES

G5
Basic

Younger generations receive red envelopes during Chinese New Year. Get these from your parents and grandparents by identifying if the statements are true and correct them if not. Write your answer in the yellow rectangle.

猴

1. Each digit of a number has a corresponding place value.

飛

2. The ten thousand place value tells how many sets of 100,000 are there.

猴

3. In 715, 438, 7 is in ten thousands place.

飛

4. In 532, 967, there are 5 sets of hundred thousands.

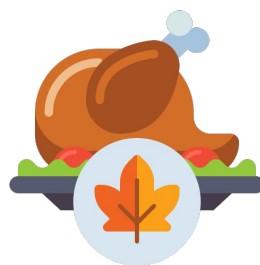


NEW YEAR DINNER

G5
Basic

Mrs Yap is preparing for a feast-like new year's dinner. Before this, she was computing the total amount she bought for each recipe of food. Help her figure it out by answering the questions below.

1. The price of 75 roasted chicken is \$ 1, 205, what digit is in thousands place?
A. 1 B. 2 C. 0 D. 5
2. What is the value of digit 2 from the given in number 1?
A. 1, 000 B. 200 C. 0 D. 5
3. The total price of dumplings, noodles, and meat is \$ 12, 983. How do you write this in expanded form?
A. 10, 000 + 200 + 80 + 3
B. 10, 000 + 2, 000 + 900 + 83
C. 10, 000 + 2, 000 + 900 + 8 + 3
D. 10, 000 + 2, 000 + 900 + 80 + 3
4. How many sets of 10 000s are there in \$12, 983?
A. 3 B. 2 C. 1 D. 0
5. What is \$ 432, 619 in word form?
A. Four hundred thirty-two, six hundred nineteen
B. Four hundred thirty-two thousand, six nineteen
C. Four hundred thirty-two thousand, six hundred nineteen
D. Four thirty-two hundred thousand, six hundred nineteen



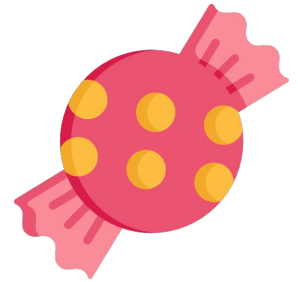
NEW YEAR SHOPPING

G5
Basic

Almost 10 days before Chinese New Year's Eve, Mr and Mrs Yap went shopping to buy food for their kids. Here are the must-have foods during Chinese New Year. Find out the cost of these wholesale items by filling in the missing place value.

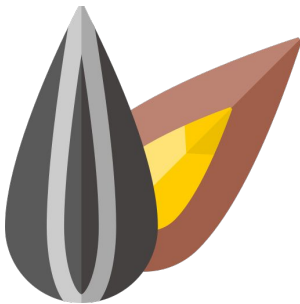
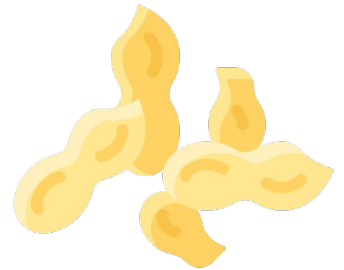
\$ 52

1.) _____ + 2



\$ 117

2.) _____ + 90 + 7



\$ 2, 378

3.) 2 000 + _____ + 70 + 8

\$ 1, 236



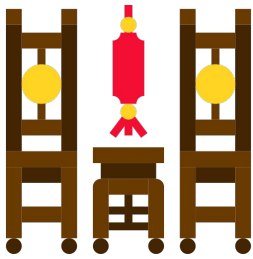
4.) _____ + 200 + 30 + 6



SWEEPING AWAY THE BAD LUCK

G5
Basic

Sweeping the house is sweeping away the bad luck during Chinese New Year season. Mrs Yap is sweeping the floor, furniture, and walls. While doing it, she thought of the cost of each antique piece of furniture. Help her think by answering the activity below.



$$200\ 000 + 10\ 000 + 2\ 000 + 20 + 7$$

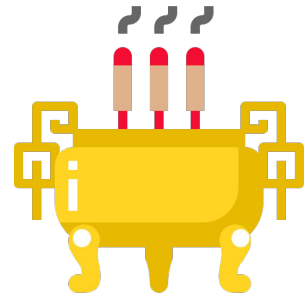
1

Chinese Cabinet = \$ _____

$$40\ 000 + 1\ 000 + 500 + 70 + 1$$

2

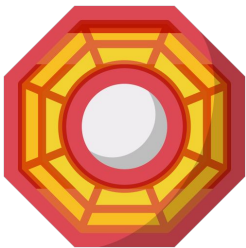
Incense holder = \$ _____



$$30\ 000 + 100 + 50 + 9$$

3

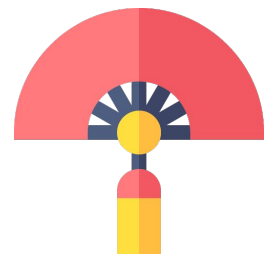
Pa kua Mirror = \$ _____



$$100\ 000 + 8\ 000 + 500 + 10 + 5$$

4

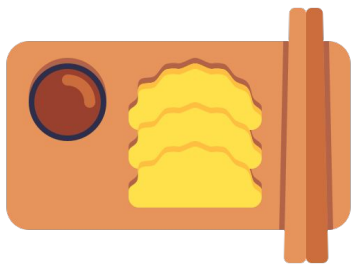
Hanging Fan = \$ _____



LUCKY FOODS DURING CHINESE NEW YEAR

G5
Basic

Bring good luck for the coming year because of these lucky Chinese New Year foods. To have these on New Year's Eve, answer the questions by identifying the value of the underlined digit given the total amount sold for each food in a day.



1 Dumplings = Wealth

\$ = 16, 785 - _____



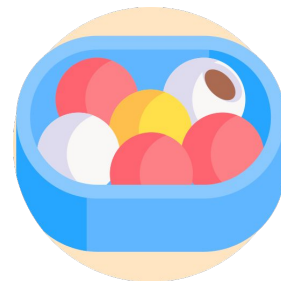
2 Noodles = Happiness

\$ = 249, 124 - _____



3 Glutinous Rice Cake = Higher Income or Position

\$ = 98, 129 - _____



4 Sweet Rice Balls = Family Togetherness

\$ = 109, 983 - _____



DRAGON PARADE

G6
Advanced

Yap's family went to the city to witness the dragon parade festival. They saw different dragons in different sizes and lengths. Identify the lengths of each dragon given the clues below.



1

_____ cm

5 sets of 100, 000
2 sets 10, 000
3 sets of 1, 000
7 sets of 100
1 set of 10

2

_____ feet

7 sets 10, 000
5 sets of 1, 000
8 sets of 100
3 sets of 10
9 sets of 1



3

_____ yards

4 sets 10, 000
2 sets of 1, 000
5 sets of 100
3 sets of 10
6 sets of 1



FIRECRACKERS

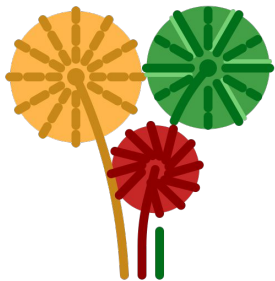
G6
Advanced

As part of Chinese traditions, setting off firecrackers is scaring away evil spirits. Mr Yap sets up different firecrackers to also welcome the new year. There are varieties of firecrackers. Determine how high the firecracker will be (meters) by changing the word form into number form.



1.) Thirty-eight thousand, six hundred seven

2.) Two hundred forty-five thousand, three hundred fifty-five



3.) Nine hundred twenty-nine thousand, forty-four

4.) Seventy-five thousand, one hundred fifteen

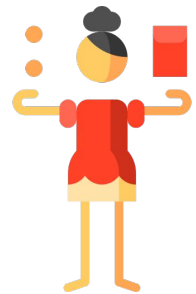


THE NEW YEAR TV GALA

G6
Advanced

It's New Year's Eve, and Yap's family is waiting for the New Year Gala. Political leaders, celebrities, and other famous people will give the prize money to those who joined the performances. Know how much does each prize cost by writing the expanded form of the number.

1.) \$ 36, 719

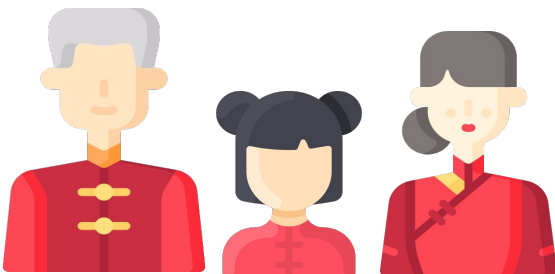


2.) \$ 11, 458

3.) \$ 901, 109



4.) \$ 510, 007

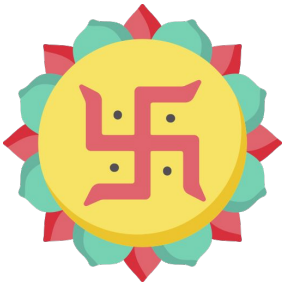


NEW YEAR'S FOLK SUPERSTITIONS

G6
Advanced

Check if the prices of these high-valued things used in ritualistic activity during new year's period are accurate by writing the word form of the given number.

1.) 41, 976



2.) 23, 101



3.) 133, 994

4.) 765, 243



NEW YEAR'S BLESSING MESSAGES

G6
Advanced

Everyone in the family would like to say their new year's blessing messages to each family member. The first person who will answer these questions will be the last one to say a message. Try it!

How does the value of each digit help you compare and order numbers?



How does place value help us to solve problems using addition and subtraction?



ANSWER GUIDE

Activity 1

1.) True 2.) 10, 000 3.) hundred thousands 4.) True

Activity 2

1.) A 2.) B 3.) D 4.) C 5.) C

Activity 3

1.) 50 2.) 100 3.) 300 4.) 1 000

Activity 4

1.) 212, 027 2.) 41, 571 3.) 30, 159 4.) 108, 515

Activity 5

1.) 6 000 2.) 200, 000 3.) 8, 000 4.) 100, 000

Activity 6

1.) 523, 710 2.) 75, 839 3.) 42, 531



ANSWER GUIDE

Activity 7

- 1.) 38, 607 2.) 245, 355 3.) 929, 044 4.) 75, 115

Activity 8

- 1.) $30,000 + 6,000 + 700 + 10 + 9$
2.) $10,000 + 1,000 + 400 + 50 + 8$
3.) $900,000 + 1,000 + 100 + 9$
4.) $500,000 + 10,000 + 7$

Activity 9

- 1.) Forty-one thousand, nine hundred seventy-six
2.) Twenty-three thousand, one hundred one
3.) One hundred thirty-three thousand, nine hundred ninety-four
4.) Seven hundred sixty-five thousand, two hundred forty-three

Activity 10

Answers may vary.



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