



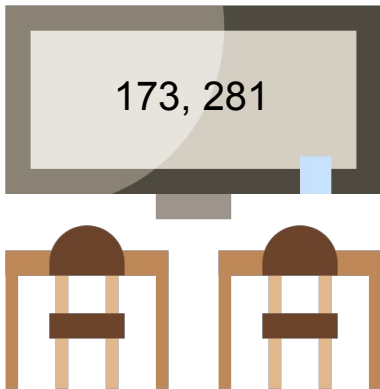
# Helping With Math

## Rounding Multi-digit Whole Number By Its Given Place Value

**GRADE 4**



Rounding off numbers can be defined as a means of making a number simpler while retaining its value to what it is. You can round up or round down numbers based on some rules.



Good day, class! I am Ms. Ruby, your Math teacher. As you can see, there is a number written on the board. Can you round it off to the nearest ten thousand?



### RULES IN ROUNDING NUMBERS

If the number you are rounding is followed by 0, 1, 2, 3, or 4, round the number down. Example: 38 rounded to the nearest ten is 40.

If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up. Example: 29 rounded to the nearest ten is 30.



# ROUNDING NUMBERS BY PLACE VALUE

A rounded number has about the same value as the number you start with, but it is less exact

## ROUNDED NUMBERS



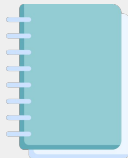
## USE OF ROUNDING NUMBERS

Handling mismatch between decimal and fraction



Changing multiplied results

Taxes



Getting an estimate / estimation

## PURPOSE OF ROUNDING

Since rounding makes numbers simpler, it is easier to use for computation or estimation while keeping the notion of its value close to what it was.



# ROUNDING NUMBERS BY PLACE VALUE

## EXAMPLES

345, 823



Round off to the nearest ten thousand

350, 000

Since the digit at the right of 4 is 5, we do rounding up.

Round off to the nearest thousand

Since the digit at the right of 4 is 5, we do rounding up.

290, 000

293, 349



546, 239



Round off to the nearest hundred thousand



This item is intended for your individual work



## TABLE OF ACTIVITIES

1. The School Bus Goes to Thousands Learning Center!
2. The School Bus Goes to Ten Thousands Academy!
3. The School Bus Goes To Hundred Thousands University!
4. What School Supplies Do I Need?
5. The Correct Crayon
6. Peter the Painter
7. The Rounding Word Problems: School Edition
8. You Got It Right!
9. Assignment!
10. What Have You Learned?

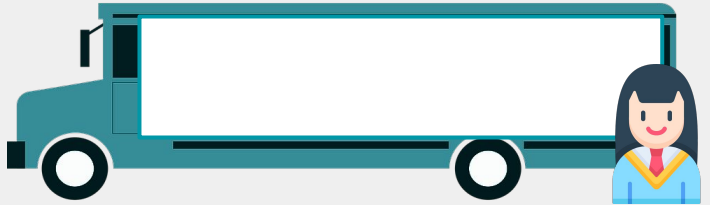


# THE SCHOOL BUS GOES TO THOUSANDS LEARNING CENTER!

Cheeky's school bus will go to Thousands Learning Center! Round each given to the nearest thousand.

1.

8, 220



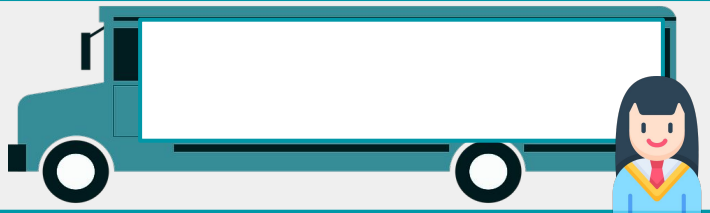
2.

5, 912



3.

4, 218



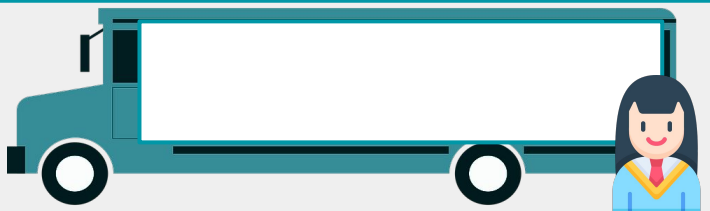
4.

6, 086



5.

3, 695



# THE SCHOOL BUS GOES TO TEN THOUSANDS ACADEMY!

This time, it's the school bus of Alaine that goes to the Ten Thousands Academy! Round each number to the nearest ten thousand.

1.

11, 562

2.

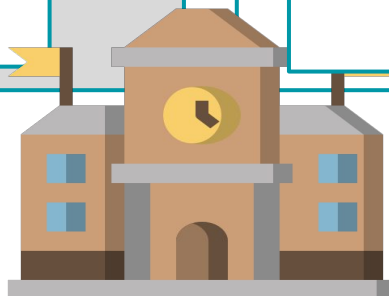
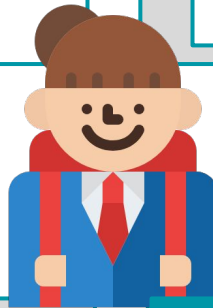
17, 327

3.

23, 566

4.

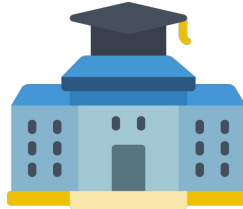
89, 210



# THE SCHOOL BUS GOES TO HUNDRED THOUSANDS UNIVERSITY!

It's now Martin's turn to go to Hundred Thousands University!  
Round each given number to the nearest hundred thousand.

4. 899, 996



3. 802, 176



2. 512, 991



1. 145, 310



Rounding Multi-digit Whole Number By  
Its Given Place Value



# WHAT SCHOOL SUPPLIES DO I NEED?

Help Rennie to figure out the things he needs for school. Cut and paste the school supplies that correspond and answer the given question.

Which two school supplies contain numbers round to 600?

Which two school supplies contain numbers round to 700?

1.

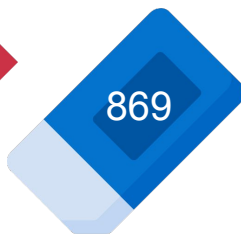
2.

Which two school supplies contain numbers round to 800?

Which two school supplies contain numbers round to 900?

3.

4.



Rounding Multi-digit Whole Number By  
Its Given Place Value





## THE CORRECT CRAYON

Time to give the crayons a wonderful color! Shade the crayon with the correct number rounded to the given place value in each item.

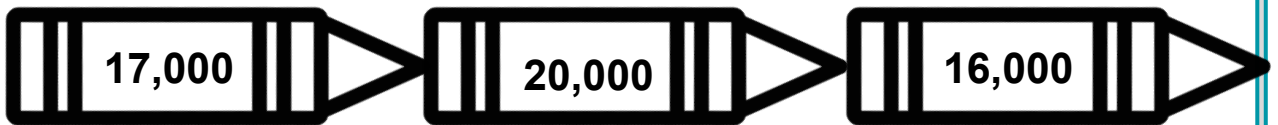
1.

5, 218



2.

16, 398



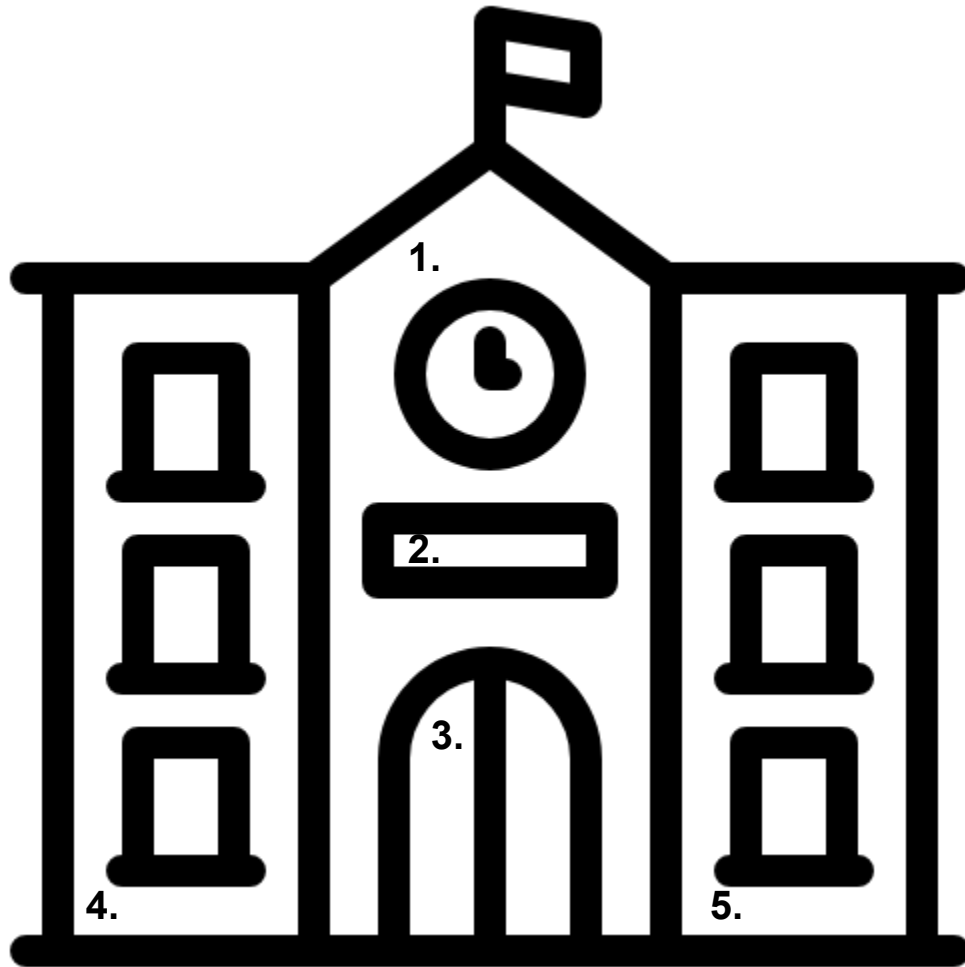
3.

251, 667



# PETER THE PAINTER

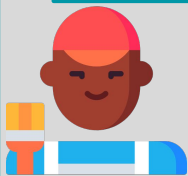
Let us help Peter the painter to color our second home! Answer each given then write your answer on the school building. The highlighted number will serve as your guide in determining what the value will be rounded to.



1. 6, 728

2. 43, 394

3. 248, 210



4. 3, 590

5. 34, 540

Rounding Multi-digit Whole Number By  
Its Given Place Value



# THE ROUNDING WORD PROBLEMS: SCHOOL EDITION

Solve the following problems by rounding to the nearest tens then add to get the answer.

1. Roxanne received 27 certificates and 12 medals in their graduation ceremony. About how many awards did she receive in total?



2. An art competition is happening in school! Pryztine has 45 pieces of colored papers. Allysa has 23 pieces of colored papers. Christine has 67 pieces of colored papers. About how many colored papers do they have in total?



3. Teachers from St. Paul Academy are about to give stamps to the class of 1-St. John. Mrs. Andres will give 18 stamps. Mr. Smith will give 28 stamps. Ms. Pascual will give 12 stamps. How many stamps will be given in the St. John section?



## YOU GOT IT RIGHT!

Help Nico to determine the word that Mrs. Fox had given her! Round each number to the nearest thousand. Then solve the phrase by matching the letters to the blank spaces at the bottom of the page.

**E**

2, 943

**C**

7, 439

**H**

4, 239

**O**

4, 985

**I**

1, 923

**S**

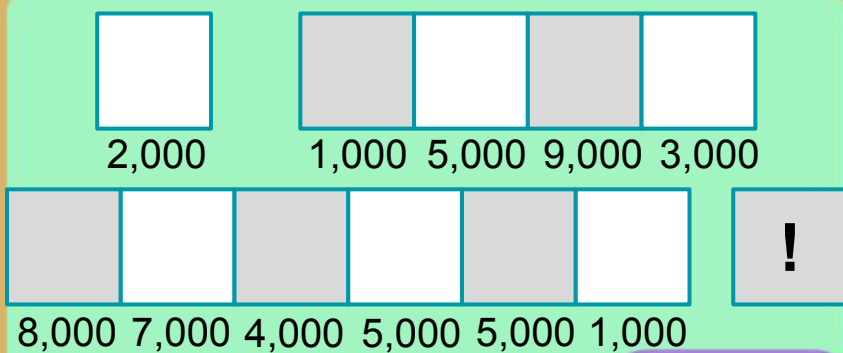
8, 231

**L**

950

**V**

8, 969



Rounding Multi-digit Whole Number By  
Its Given Place Value



# ASSIGNMENT!

Help Gwyneth to finish her assignment on time! Provide 2 six-digit given then round it off to the nearest thousand, ten thousand, and hundred thousand. An example is provided as your guide.

262, 329

Thousand: 2,000

Ten Thousand: 60,000

Hundred Thousand: 300,000

1.

Thousand:

Ten Thousand:

Hundred Thousand:

2.

Thousand:

Ten Thousand:

Hundred Thousand:



## WHAT HAVE YOU LEARNED?

Simply answer the questions below.

How did you find the topic about rounding multi-digit numbers based on its given place value? Is it easily understandable? Is it interesting? How did you say so?

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Cite 2 ways on how will you use your knowledge about rounding multi-digit numbers in real life situation.

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# ANSWER GUIDE

## Activity 1

1. 8, 000
2. 6, 000
3. 4, 000
4. 6, 000
5. 4, 000

## Activity 2

1. 10, 000
2. 20, 000
3. 20, 000
4. 90, 000

## Activity 3

1. 100, 000
2. 500, 000
3. 800, 000
4. 900, 000

## Activity 4

1. Glue (635), notebook (572)
2. Folder (748), pencil (650)
3. Ruler (762), highlighter (804)
4. Scissors (909), eraser (869)



# ANSWER GUIDE

## Activity 5

1. 5, 000
2. 20, 000
3. 300, 000

## Activity 6

1. 7, 000
2. 40, 000
3. 200, 000
4. 4, 000
5. 30, 000

## Activity 7

1. 30 certificates + 10 medals = 40 awards
2. 50 colored papers + 20 colored papers + 70 colored papers = 140 colored papers
3. 20 stamps + 30 stamps + 10 stamps = 60 stamps

## Activity 8

E = 3, 000

S = 8, 000

H = 4, 000

V = 9, 000

I = 2, 000

L = 1, 000

Word: I LOVE SCHOOL!

C = 7, 000

O = 5, 000





# ANSWER GUIDE

## Activity 9

The answers may vary as the activity is subjective.

## Activity 10

The answers may vary as the activity is subjective.



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