lesson one - student resource sheet

Lesson Objective: Round to the nearest million and billion.

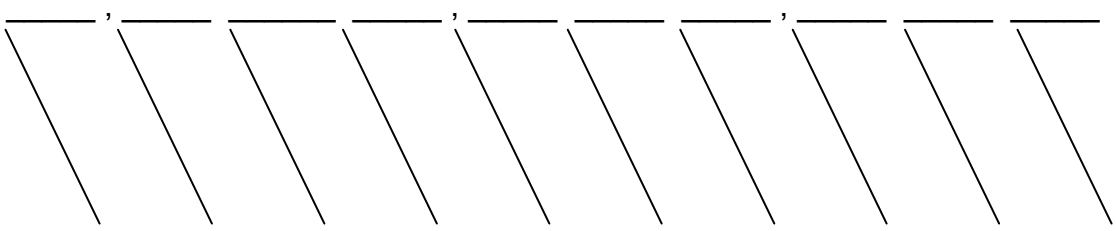
Vocabulary Box

place value — The value given to the place a digit occupies. Example: In the number 731, 7 is in the hundreds place.

rounding — Estimating a number to a given **place value**. Example: 1,527 rounded to the nearest thousand is 2,000.

Guided Practice

Directions: Fill in the blanks on the place value chart below.



I. Round each number to the indicated place value.

1. 148 to the nearest ten _____
2. 7,429 to the nearest thousand _____
3. 23,810,456 to the nearest million _____
4. 9,924,678,012 to the nearest billion _____
5. 72,961 to the nearest hundred _____

II. Fill in the table below. Round each number to the place value indicated at the top of the column.

Round This Number To The Nearest:	Billion	Hundred Million	Ten Million	Million
2,450,713,078				
40,715,629,842				
8,601,397,815				
9,819,745,612				

Summary/Closure

A. Vocabulary Words
Write a definition for each vocabulary word, in your own words.

rounding

place value

B. Summarize What We Learned Today
Explain how to round 129,751,204 to the nearest million.

lesson two - student resource sheet

Lesson Objective: Round to the nearest million and billion.

Vocabulary Box

place value — The value given to the place a digit occupies. Example: In the number 731, 7 is in the hundreds place.

rounding — Estimating a number to a given place value. Example: 1,527 rounded to the nearest thousand is 2,000.

Independent Practice

Directions: Complete the exercises on your own.

I. Name the place value of the underlined digit.

1. 89,<u>8</u>42,120 _____
2. <u>7</u>,019,341,641 _____
3. 7<u>6</u>,124,070 _____
4. 123,4<u>5</u>9 _____
5. 14,<u>9</u>24,012,378 _____

II. Tell whether the statement is true or false.

_____ 1. 769 rounded to the nearest ten is 700.

_____ 2. 67,960,154 rounded to the nearest ten thousand is 67,970,000.

_____ 3. 259,810,631,240 rounded to the nearest billion is 260,000,000,000.

_____ 4. 8,512,304 rounded the nearest million is 9,000,000.

III. Round each number to the indicated place value.

1. 127 to the nearest ten _____
2. 8,250,361 to the nearest million _____
3. 9,456,321,042 to the nearest billion _____
4. 23,651,000 to the nearest hundred thousand _____

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1. Round 7,999,999 to the nearest ten. _____
2. Fill in the missing digits.

   45,671,952 rounded to the nearest hundred thousand is 4__, __ __ 0,000.

Problem Solving

The populations for various age groups in the United States, in the year 2000, are given below. The numbers are rounded to the nearest thousand.

Age	Total	Male	Female
0–4	19,218,000	9,831,000	9,387,000
5–9	20,483,000	10,489,000	9,994,000
10–14	20,608,000	10,561,000	10,048,000
15–19	20,250,000	10,413,000	9,837,000

[Source: U.S. Census Bureau, International Data Base, March 2004 version.]

1. How many males, age 0–4, were in the United States in 2000? Round your answer to the nearest hundred thousand.

2. How many females, age 5–9, were in the United States in 2000? Round your answer to the nearest ten thousand.

3. What was the total number of people, age 15–19, in the United States in 2000? Round your answer to the nearest million.

1. Name the place value of the underlined digit. 7<u>8</u>,124,041,239 _____
2. Round 25,761,304 to the nearest ten thousand. _____
3. Round 2,895,231,043 to the nearest ten million. _____

lesson three - student resource sheet

Lesson Objective: Divide a three-digit or four-digit number by a two-digit number.

Vocabulary Box

dividend — The number to be divided in a division problem. Example: In the problem $12 \div 4 = 3$, 12 is the dividend.

divisor — The number that is divided into the dividend. Example: In the problem $12 \div 4 = 3$, 4 is the divisor.

quotient — The result of a division operation. Example: In the problem $12 \div 4 = 3$, 3 is the quotient.

Guided Practice

Directions: Copy the operations into the box below.

DIVISION
D_____
M_____
S_____
B_____

I. Divide. Show your work.

1. $13\overline{)338}$
2. $45\overline{)2{,}835}$
3. $18\overline{)1{,}566}$

II. Solve each problem. Show your work.

1. $31\overline{)3{,}844}$

2. $99\overline{)5{,}544}$

3. $30\overline{)6{,}120}$

4. $78\overline{)8{,}502}$

Summary/Closure

A. Vocabulary Words

Directions: Identify the parts of the given problem.

$$45\overline{)7{,}854}\quad 187$$

7,854 is the _____.

45 is the _____.

187 is the _____.

B. Summarize What We Learned Today

Directions: List the steps for solving a division problem.