

Week 2: Days 6-10 Practice

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Day 6 Practice:

1. Solve for each expression by writing the solution in unit form and in standard form.

Expression	Unit form	Standard Form
10×6 tens		
7 hundreds $\times 10$		
3 thousands $\div 10$		
6 ten thousands $\div 10$		
10×4 thousands		

2. Solve for each expression by writing the solution in unit form and in standard form.

Expression	Unit form	Standard Form
$(4 \text{ tens } 3 \text{ ones}) \times 10$		
$(2 \text{ hundreds } 3 \text{ tens}) \times 10$		
$(7 \text{ thousands } 8 \text{ hundreds}) \times 10$		
$(6 \text{ thousands } 4 \text{ tens}) \div 10$		
$(4 \text{ ten thousands } 3 \text{ tens}) \div 10$		

3. Explain how you solved 10×4 thousands. Use a place value chart to support your explanation.

2. Solve each expression. Record your answer in standard form.

Expression	Standard Form
5 tens + 5 tens	
3 hundreds + 7 hundreds	
400 thousands + 600 thousands	
8 thousands + 4 thousands	

3. Lee and Gary visited South Korea. They exchanged their dollars for South Korean bills. Lee received 15 ten thousand South Korean bills. Gary received 150 thousand bills. Use numbers on a place value chart to compare Lee's and Gary's money.



Lee



4. In the spaces provided, write the following units in standard form. Be sure to place commas where appropriate.

a. 9 thousands 3 hundreds 4 ones _____

b. 6 ten thousands 2 thousands 7 hundreds 8 tens 9 ones _____

c. 1 hundred thousand 8 thousands 9 hundreds 5 tens 3 ones _____

5. A large grocery store received an order of 2 thousand apples. A neighboring school received an order of 20 boxes of apples with 100 apples in each. Use disks or disks on a place value chart to compare the number of apples received by the school and the number of apples received by the grocery store.

Day 9 Practice:

1. 975,462 songs were downloaded in one day. Round this number to the nearest hundred thousand to estimate how many songs were downloaded in one day. Use a number line to show your work.

2. This number was rounded to the nearest ten thousand. List the possible digits that could go in the thousands place to make this statement correct. Use a number line to show your work.

$$13_,644 \approx 130,000$$

3. Estimate the difference by rounding each number to the given place value.

$$712,350 - 342,802$$

- a. Round to the nearest ten thousands.

- b. Round to the nearest hundred thousands.

4. Estimate the sum by rounding each number to the nearest hundred thousand.

$$257,098 + 548,765 \approx \underline{\hspace{2cm}}$$

5. 491,852 people went to the water park in the month of July. Round this number to the nearest hundred thousand to estimate how many people went to the park. Use a number line to show your work.

6. This number was rounded to the nearest hundred thousand. List the possible digits that could go in the ten thousands place to make this statement correct. Use a number line to show your work.

$$1\underline{\hspace{0.5cm}}9,644 \approx 100,000$$

7. Estimate the sum by rounding each number to the given place value.

$$164,215 + 216,088$$

a. Round to the nearest ten thousand.

b. Round to the nearest hundred thousand.

Day 10 Practice:

1. Round to the nearest thousand.

- a. $5,300 \approx$ _____
- b. $4,589 \approx$ _____
- c. $42,099 \approx$ _____
- d. $801,504 \approx$ _____
- e. Explain how you found your answer for Part (d).

2. Round to the nearest ten thousand.

- a. $26,000 \approx$ _____
- b. $34,920 \approx$ _____
- c. $789,091 \approx$ _____
- d. $706,286 \approx$ _____
- e. Explain why two problems have the same answer. Write another number that has the same answer when rounded to the nearest ten thousand.

3. Round to the nearest hundred thousand.

- a. $840,000 \approx$ _____
- b. $850,471 \approx$ _____
- c. $761,004 \approx$ _____
- d. $991,965 \approx$ _____
- e. Explain why two problems have the same answer. Write another number that has the same answer when rounded to the nearest hundred thousand.

4. Solve the following problems using pictures, numbers, or words.
- a. The 2012 Super Bowl had an attendance of just 68,658 people. If the headline in the newspaper the next day read, "About 70,000 People Attend Super Bowl," how did the newspaper round to estimate the total number of people in attendance?
- b. The 2011 Super Bowl had an attendance of 103,219 people. If the headline in the newspaper the next day read, "About 200,000 People Attend Super Bowl," is the newspaper's estimate reasonable? Use rounding to explain your answer.
- C. According to the problems above, about how many more people attended the Super Bowl in 2011 than in 2012? Round each number to the largest place value before giving the estimated answer.