Practice Booklet for Numbers Sense (Unit 2)

**Part A: Number values**

**1.** Write each number in standard form.
 **a)** 900 000 + 2000 + 30 + 7

 **b)** six hundred twenty thousand thirty two

 **c)** 40 000 + 7000 + 800 + 8

**2.** Order the numbers in question 1 from least to greatest.

**3.** Write the place value of each underlined digit.

 **a)** 45 679 **b)** 569 328 **c)** 709 352

 **d)** 32 769 **e)** 567 084 **f)** 1 000 000

**4.** Use the number **89,765** to answer the following questions.

a) What digit is in the thousands place? \_\_\_\_\_\_

 b) What digit is in the ones place? \_\_\_\_\_\_

 c) What digit is in the hundreds place? \_\_\_\_\_\_

 d) What digit is in the thousands place? \_\_\_\_\_\_

**5.** Arrange the digits 2, 5, 4, 6, 7, 1 to make a 6-digit number.
 Use each digit only once.
 What is the greatest number you can make? The least number?

 Greatest \_\_\_\_\_\_\_\_\_\_\_\_

 Smallest \_\_\_\_\_\_\_\_\_\_\_\_

**6.** Place the signs ( <, >, =) to make each statement correct.

1. 78,909 \_\_\_ 9,999
2. 34, 567\_\_\_ 43,090
3. 45,000 \_\_\_ 45,000

**7.** Write the numbers below in words.

1. **67, 986 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **300, 945 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **589, 001 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **7, 945 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**8. Write the numbers from above in expanded form.**

**a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**d) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part B: Estimation**

**1. Write an estimate for 56 893 to the closest thousand and closest ten thousand.**

Thousand\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ten Thousand \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2. Write an estimate for 89 231 to the closest ten and closest hundred.**

Ten\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hundred \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3. Estimate each sum or difference. Use front-end estimation.**

 a) 1858 + 3523 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) 6709 – 755 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c) 34 245 + 59 940 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 d) 68 450 – 23 850 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 e) 58 309 + 4859 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 f) 98 530 – 16 899 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4. Estimate to answer the questions below.**

Concert tickets were sold for the Fall Festival. On the first day 26 895 concert tickets were sold. On the second day 34 248 concert tickets were sold.

 **a)** On which day were more concert tickets sold? About how many more? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **b)** How many tickets were sold on both days in total?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5. Estimate to the nearest thousand.**

a) 8,789 \_\_\_\_\_\_\_\_\_\_\_\_ b) 89, 890 \_\_\_\_\_\_\_\_\_\_\_\_

c) 45,900 \_\_\_\_\_\_\_\_\_\_\_\_ d) 978 \_\_\_\_\_\_\_\_\_\_\_\_

e) 81,355 \_\_\_\_\_\_\_\_\_\_\_\_ f) 3,500 \_\_\_\_\_\_\_\_\_\_\_\_

g) 7, 789 \_\_\_\_\_\_\_\_\_\_\_\_ h) 340,945 \_\_\_\_\_\_\_\_\_\_\_\_

**6. Estimate to the nearest ten.**

a) 98,809 \_\_\_\_\_\_\_\_\_\_\_\_ b) 89,456 \_\_\_\_\_\_\_\_\_\_\_\_

c) 78 \_\_\_\_\_\_\_\_\_\_\_\_ d) 73,981 \_\_\_\_\_\_\_\_\_\_\_\_

e) 20,009 \_\_\_\_\_\_\_\_\_\_\_\_ f) 9,855 \_\_\_\_\_\_\_\_\_\_\_\_

g) 87,905 \_\_\_\_\_\_\_\_\_\_\_\_ h) 783 \_\_\_\_\_\_\_\_\_\_\_\_

**7. Estimate to the nearest hundred.**

a) 8,789 \_\_\_\_\_\_\_\_\_\_\_\_ b) 89, 890 \_\_\_\_\_\_\_\_\_\_\_\_

c) 45,900 \_\_\_\_\_\_\_\_\_\_\_\_ d) 978 \_\_\_\_\_\_\_\_\_\_\_\_

e) 81,355 \_\_\_\_\_\_\_\_\_\_\_\_ f) 3,500 \_\_\_\_\_\_\_\_\_\_\_\_

g) 7, 789 \_\_\_\_\_\_\_\_\_\_\_\_ h) 340,945 \_\_\_\_\_\_\_\_\_\_\_\_

**8. Use 908,789 to round to the nearest…**

a) Thousand \_\_\_\_\_\_\_\_\_\_\_\_\_ b) Hundred \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Ten thousand \_\_\_\_\_\_\_\_\_\_ d) Ten \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_