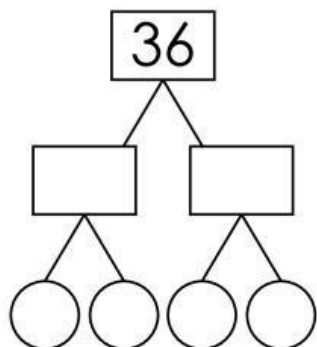


Name: \_\_\_\_\_

## Factor Trees

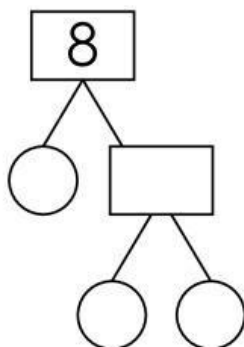
Complete the factor tree for each number to find the prime factors.

a.



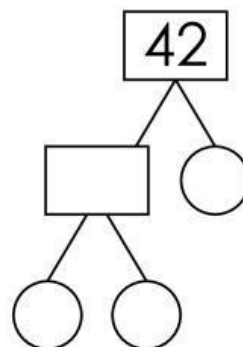
$$36 = \_\_\_ \times \_\_\_ \times \_\_\_ \times \_\_\_$$

b.



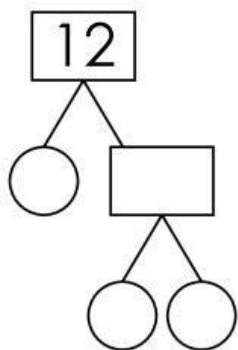
$$8 = \_\_\_ \times \_\_\_ \times \_\_\_$$

c.



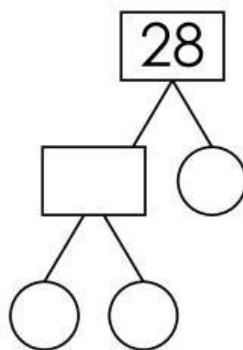
$$42 = \_\_\_ \times \_\_\_ \times \_\_\_$$

d.



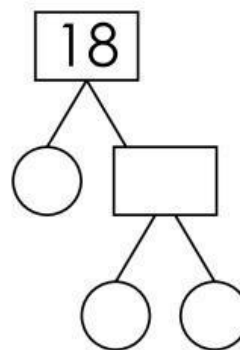
$$12 = \_\_\_ \times \_\_\_ \times \_\_\_$$

e.



$$28 = \_\_\_ \times \_\_\_ \times \_\_\_$$

f.



$$18 = \_\_\_ \times \_\_\_ \times \_\_\_$$

Name: \_\_\_\_\_

## Comparing Five-Digit Numbers

**Part 1:** Write  $<$ ,  $>$ , or  $=$  on each line.

- |                        |                        |                            |
|------------------------|------------------------|----------------------------|
| a. 10,525 _____ 10,255 | b. 32,323 _____ 23,232 | c. 13,003 _____ 31,001     |
| d. 57,775 _____ 75,557 | e. 65,065 _____ 65,065 | f. 11,954 _____ 11,459     |
| g. 73,002 _____ 7,477  | h. 14,010 _____ 14,001 | i. 50,020 _____ 50,020     |
| j. 49,919 _____ 94,491 | k. 80,404 _____ 80,044 | l. \$61,611 _____ \$61,116 |

**Part 2:** Circle the greater amount in each pair.

- |                     |                    |                     |
|---------------------|--------------------|---------------------|
| m. 36,433    64,333 | n. 82,202    8,999 | o. 57,117    71,571 |
|---------------------|--------------------|---------------------|

**Part 3:** Circle the smaller amount in each pair.

- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| p. 49,940    40,904 | q. 18,818    18,188 | r. 10,010    10,001 |
|---------------------|---------------------|---------------------|

**Part 4:** On each line, write out the words, **is greater than**, **is less than**, or **is equal to**.

- |                  |          |
|------------------|----------|
| s. 22,212 _____  | 22,221   |
| t. 40,098 _____  | 40,098   |
| u. 66,980 _____  | 66,089   |
| v. \$5,888 _____ | \$30,003 |
| w. 72,234 _____  | 73,224   |



**Part 5:** Read and answer the questions.

- x. Every month during the summer, thousands of people have picnics in Hyde Park. In June, 10,705 people had picnics in the park. In July, 10,075 people had picnics there. Which month did more people have picnics in the park? \_\_\_\_\_
- y. Mr. Wallace owns a hot dog stand. During his first summer season, Mr. Wallace sold 21,101 hot dogs. In his second summer season, Mr. Wallace sold 20,111 hot dogs. Which season did Mr. Wallace sell more hot dogs? \_\_\_\_\_

Name: \_\_\_\_\_

## Digit Values

What is the value of the underlined digit?

632,814 - The value of the digit 6 is **6 hundred thousands**, or **600,000**.

632,814 - The value of the digit 3 is **3 ten thousands**, or **30,000**.

632,814 - The value of the digit 2 is **2 thousands**, or **2,000**.

632,814 - The value of the digit 8 is **8 hundreds**, or **800**.

632,814 - The value of the digit 1 is **1 tens**, or **10**.

632,8144 - The value of the digit 4 is **4 ones**, or **4**.



Write the value of the underlined digit.

a. 198,752 - \_\_\_\_\_

b. 956,726 - \_\_\_\_\_

c. 472,861 - \_\_\_\_\_

d. 764,509 - \_\_\_\_\_

e. 896,804 - \_\_\_\_\_

f. 601,099 - \_\_\_\_\_

g. 467,530 - \_\_\_\_\_

h. 50,402 - \_\_\_\_\_

**4 5 6, 8 0 2**

i. In the number above, which digit has the greatest value? \_\_\_\_\_

j. In the number above, which digit has the least value? \_\_\_\_\_

k. What is the value of the digit in the thousands place of the number above? \_\_\_\_\_

l. What is the value of the digit in the ten thousands place of the number above? \_\_\_\_\_

Name: \_\_\_\_\_

## Simplifying Fractions

To simplify a fraction, divide the numerator and the denominator by the greatest common factor.

example: Simplify the fraction  $\frac{18}{27}$

The greatest common factor of 18 and 27 is 9.

Divide the numerator and the denominator by 9.

$$\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$$



Simplify each fraction.

a.  $\frac{4}{20} =$

b.  $\frac{5}{10} =$

c.  $\frac{14}{21} =$

d.  $\frac{9}{15} =$

e.  $\frac{16}{24} =$

f.  $\frac{18}{48} =$

g.  $\frac{16}{44} =$

h.  $\frac{9}{21} =$

i.  $\frac{25}{30} =$

j.  $\frac{8}{22} =$

k.  $\frac{12}{30} =$

l.  $\frac{5}{20} =$

- m. There are 36 students in Frank's class. 27 of them are buying lunch today. Write and simplify the fraction of students that are buying lunch.

\_\_\_\_\_