

1. What is the greatest multiple of 9 that is less than 80? How do you know?

2. What is the greatest multiple of 6 that is less than 50? How do you know?

3. Identify each number as prime or composite. Then list all of its factors.

a. 5      \_\_\_\_\_      \_\_\_\_\_

b. 8      \_\_\_\_\_      \_\_\_\_\_

c. 10      \_\_\_\_\_      \_\_\_\_\_

d. 17      \_\_\_\_\_      \_\_\_\_\_

e. 24      \_\_\_\_\_      \_\_\_\_\_

f. 4      \_\_\_\_\_      \_\_\_\_\_

g. 7      \_\_\_\_\_      \_\_\_\_\_

h. 9      \_\_\_\_\_      \_\_\_\_\_

i. 11      \_\_\_\_\_      \_\_\_\_\_

j. 18      \_\_\_\_\_      \_\_\_\_\_

4. Use any place value strategy to divide.

a.  $4,800 \div 8$

b.  $63,000 \div 7$

c.  $3,000 \div 5$

d.  $54,000 \div 6$

e. 36 chocolates come in a box. If 9 people split 5 boxes equally, how many chocolates does each person receive?

f. 48 marbles come in a bag. If 8 friends split 7 bags equally, how many marbles does each friend get?

5.  $511 \div 2$

a. Solve by drawing place value disks.

b. Solve numerically.

6.  $629 \div 4$

a. Solve by drawing place value disks.

b. Solve numerically.

7. Use any place value strategy to multiply or divide.

a.  $6,702 \div 3$

b.  $9,573 \div 5$

c.  $1,548 \div 4$

d.  $7,503 \div 4$

e.  $48 \times 32$

f.  $73 \times 27$

g.  $59 \times 31$

h.  $82 \times 68$

7. Solve using a model or equation. Show your work, and write your answer as a statement.
- a. A basketball court's rectangular floor measures 92 feet long by 49 feet wide. How many square feet is that? Use estimation to assess the reasonableness of your answer.

Estimation:

Work:

Answer statement: \_\_\_\_\_

- b. The concession stands sell popcorn and pretzels. Fans order 16 times as many popcorn bags as pretzels. If 64 pretzels sold, **how many more** bags of popcorn were ordered than pretzels?

Estimation:

Work:

Answer statement: \_\_\_\_\_

- c. Caps are sold in packs of 6. If each of the stadium's 116 concession workers are each given 2 caps as part of their uniform, how many packages will the employers need to order?

Estimation:

Work:

Answer statement: \_\_\_\_\_

- d. There are three numbers for the combination to the owner's suite. The first number is 11. The other two numbers can be multiplied together to give a product of 30. What are all of the possibilities for the other two numbers? Write your answers as multiplication equations, and then write all of the possible combinations for the safe.

Multiplication equations:

Possible combinations: