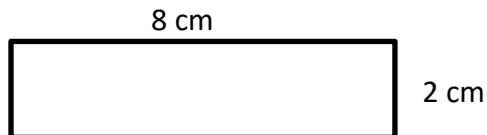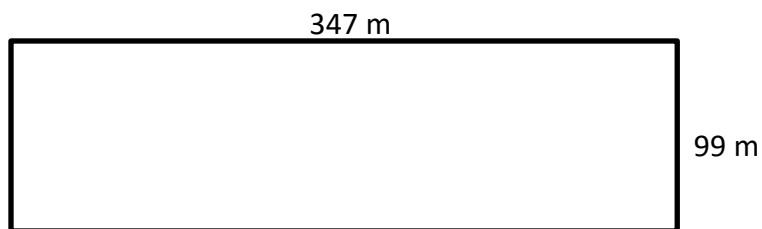Name _____   Date _____

1. Determine the area and perimeter of the rectangle. Include labels.

8 cm

2 cm

P = _____   A = _____

2. Determine the perimeter of the rectangle. Include a label.

347 m

99 m

3. A rectangle with whole number side lengths has an area of 24 square centimeters and a perimeter of 22 centimeters. Find the length and width of the rectangle.

Name _____   Date _____

1. A balance beam at a playground is 2 feet wide. It is 6 times as long as it is wide.

    a. Label the diagram with the dimensions of the balance beam.

    b. Find the perimeter of the balance beam. P = _____

2. A blanket is 4 feet wide. It is 3 times as long as it is wide.

    a. Draw a diagram of the blanket and label its dimensions.

    b. Find the perimeter and area of the blanket.

        P = _____   A = _____

`

Name _____   Date _____

1. Complete the following equations.

   a. $5 \times 10 =$ _____   b. _____ $\times 5 = 500$ c. $5,000 =$ ____ $\times 1,000$

   d. $10 \times 2 =$ _____   e. _____ $\times 20 = 2,000$ f. $2,000 = 10 \times$ _____

   g. $100 \times 18 =$ _____   h. _____ $= 10 \times 32$ i. $4,800 =$ ____ $\times 100$

   j. $60 \times 4 =$ _____   k. $5 \times 600 =$ _____   l. $8,000 \times 5 =$ _____

Name _____   Date _____

Draw number disks to represent the value of the following expressions.

hundreds	tens	ones

1. 4 × 200 = _____

    4 times _____ hundreds is _____ _____ .

thousands	hundreds	tens	ones

2. 4 × 2,000 = _____

    _____ times _____ thousands is _____ _____ .

3. Find the product.

a. 30 × 3 =	b. 8 × 20 =	c. 6 × 400 =	d. 2 × 900 =
e. 8 × 80 =	f. 30 × 4 =	g. 500 × 6 =	h. 8 × 5,000 =

4. Bonnie worked for 7 hours each day for 30 days. How many hours did she work altogether?

Name _____   Date _____

Represent the following problem by drawing disks in the place value chart.

1. To solve 20 × 30, think:

Hundreds	Tens	Ones

(2 tens) × (3 tens) =

2 × 3 × 10 x 10 =

20 × 30 = _____

2. Use the word form of the numbers to find the products.

    a. 2 tens × 3 tens = _____   _____

    20 x 30 = _____

    b. 80 x 20 = _____

    _____   _____   x   _____   _____   =   _____   _____

3. Every night, Ellen reads 40 pages. How many pages total does she read at night during the 30 days of November?

Name _____   Date _____

1. Show partial products with disks on the place value chart, and record the partial products vertically.

   a. 6×41

hundreds	tens	ones

   ```
     4 1
   x   6
   ─────
   ```

   b. 3×71

hundreds	tens	ones

   ```
     7 1
   x   3
   ─────
   ```

Name _____   Date _____

2. Represent the following expressions with disks that match the partial products.

   a. 4 × 513

thousands	hundreds	tens	ones

```
    5   1   3
x           4
_____
```

   b. 3 × 1,054

thousands	hundreds	tens	ones

```
1   0   5   4
x           3
_____
```

Name _____   Date _____

1. Solve any way.

   $$829 \times 4$$

2. The monthly school newspaper is 9 pages long. Mrs. Smith needs to print 675 copies. How many sheets of paper will she use?

L12 Exit Ticket

Name _____

1. Jennifer has 256 pink beads. Stella has 3 times as many beads as Jennifer. How many beads does Stella have?

a. Draw a tape diagram: b. Use partial products to solve:

Jennifer

Stella

	X		

Name _____   Date _____

Solve the following problem using an array or a tape diagram.

1. Fifty-three students are going on a field trip to the zoo. Before the trip, a teacher forms groups of students and assigns a chaperone to each group. The teacher divides the students into groups of 6. How many groups of students will there be? Will each group have 6 students? How many total chaperones are needed?

Name _____   Date _____

Show the division using disks. Check your quotient and remainder by using multiplication and addition.

1. $5 \div 3$

Ones

quotient = _____

remainder = _____

Check Your Work

2. $65 \div 3$

Tens	Ones

quotient = _____

remainder = _____

Check Your Work

Name _____ Date _____

Show the division using disks. Check your quotient by using multiplication and addition.

1. $5 \div 4$

Ones

quotient = _____

remainder = _____

Check Your Work

2. $56 \div 4$

Tens	Ones

quotient = _____

remainder = _____

Check Your Work

Name _____   Date _____

Solve using the Forgiving Method.

1. $93 \div 7$	2. $99 \div 8$

Name _____   Date _____

1. Tony drew the following area model but left off the length measurements. What are the missing numbers?
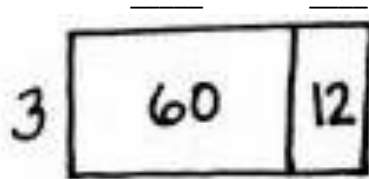
2. Complete the number bond for Tony's problem.

(____x____)   +   (____x____)

=   _____   +   _____

=   _____
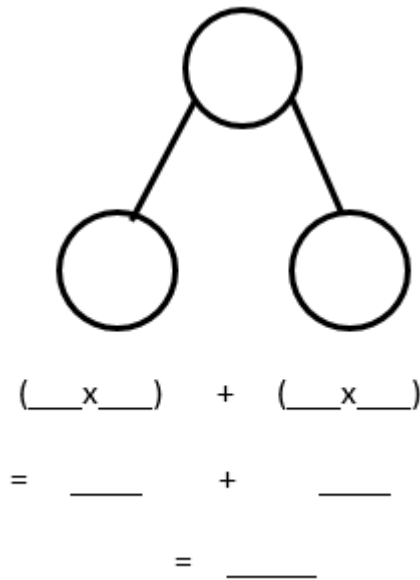
Name _____   Date _____

1. Use number bonds to divide greater numbers.

80

40
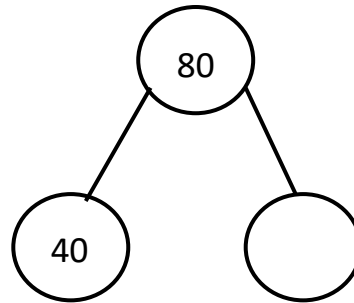
(___ ÷ 4)   +   (___ ÷ 4)

=   _____   +   _____

=   _____

80 ÷ 4 = _____

2. Decompose the whole into multiples of the divisor to complete the number bonds.

91
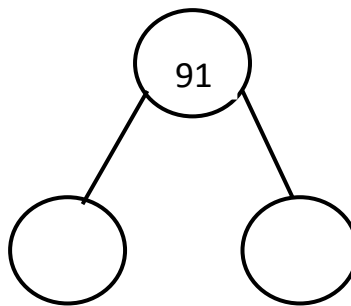
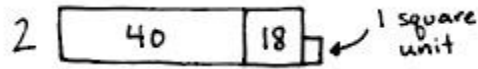(___ ÷ 7)   +   (___ ÷ 7)

=   _____   +   _____

=   _____

91 ÷ 7 = _____

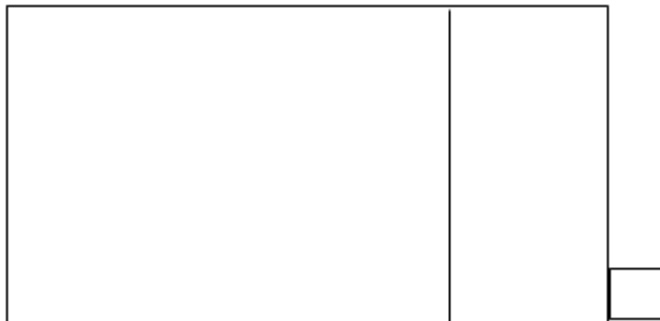Name _____   Date _____

1. Kyle drew the following area model to find an unknown length. What division equation did he model?

$$2 \boxed{\quad 40 \quad | \quad 18 \quad} \quad \checkmark \text{1 square unit}$$

_____ ÷ _____ = _____ r _____

2. Solve 93 ÷ 4 using the area model.

Name _____   Date _____

Record the factors of the given numbers as multiplication sentences and as a list in order from least to greatest. Classify each as prime (P) or composite (C).

	Multiplication Sentences	Factors	Prime (P) or Composite (C)
a.	9	The factors of 9 are:	
b.	12	The factors of 12 are:	
c.	19	The factors of 19 are:	

Name _____

2. Explain your thinking, or use division or multiplication to answer the following.

a. Is 2 a factor of 34?	b. Is 3 a factor of 34?
c. Is 4 a factor of 72?	d. Is 3 a factor of 72?

Name _____   Date _____

1. Fill in the unknown multiples of 11.

    $5 \times 11 =$ _____

    $6 \times 11 =$ _____

    $7 \times 11 =$ _____

    $8 \times 11 =$ _____

    $9 \times 11 =$ _____

2. Complete the pattern of multiples by skip-counting.

    7, 14, _____, 28, _____, _____, _____, _____, _____, _____

3.
    a. List the numbers that have 18 as a multiple.

    _____

    b. What are the factors of 18?

    _____

    c. Are your two lists the same? Why or why not?

    _____

    _____

Name _____   Date _____

1. Rewrite each in unit form. Solve for the quotient.

a. 600 ÷ 3 = 200
 	
    6 hundreds ÷ 3 =
 	
    _____ hundreds
	b. 1,200 ÷ 6

c. 2,100 ÷ 7	d. 3,200 ÷ 8

2. Hudson and 8 of his friends found a bag of pennies. There were 360 pennies which they shared equally. How many pennies did each person get?

Name _____   Date _____

1. Divide using the forgiving method.

a. $776 \div 2$	b. $596 \div 3$

2. A carton of milk contains 128 ounces. Sara's son drinks 4 ounces of milk at each meal. How many 4-ounce servings will one carton of milk provide?

Name _____   Date _____

1. Divide using the Forgiving Method.

a. 1,770 ÷ 3	b. 8,470 ÷ 5

2. The post office had an equal number of each of 4 types of stamps. There were a total of 1,784 stamps. How many of each type of stamp did the post office have?

Name _____   Date _____

Draw tape diagrams to solve. Identify if the group size or the number of groups is unknown.

1. 572 cars were parked in a parking garage. The same number of cars parked on each floor. If there were 4 floors, how many cars were parked on each floor?

_____

_____ group size unknown

_____ number of groups unknown

2. 356 kg of flour were packed into sacks holding 2 kg each. How many sacks were packed?

_____

_____ group size unknown

_____ number of groups unknown

Name _____   Date _____

Use the forgiving method of division to solve.

1. Mr. Foote needs exactly 6 folders for each fourth grade student at Hoover Elementary School. If he bought 726 folders, how many students will get the folders?

2. Mrs. Terrance has a large bin of 236 crayons. She divides them equally among four containers. How many crayons does Mrs. Terrance have in each container?

Name _____

Use an area model to represent the following expressions in word form.
Record the partial products and solve.

1.   30 × 93

30	_____ tens x _____ tens = _____ hundreds = _____	_____ tens x _____ = _____ tens = _____

```
    3 0
  × 9 3
  _____
```

Draw an area model to represent the following expressions in standard form.

Record the partial products vertically and solve.
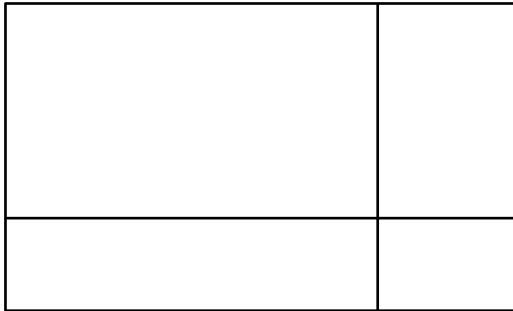
2.   40 × 72


```
  × _____
  _____
```

Name _____   Date _____

Draw an area model to solve. Record the partial products vertically and solve.

1.   26 × 43

$$\times \underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$+ \underline{\hspace{3cm}}$$

Solve using four partial products.

2. 17 × 55

$$\times \underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$\underline{\hspace{3cm}}$$

$$+ \underline{\hspace{3cm}}$$

Name _____

1. Solve 43 × 22 using 4 partial products and 2 partial products.

	20	2
40		
3		

```
    4 3
  ×  2 2
  ───────
  ───────
  ───────
  ───────
  ───────
```

	20	2
43		

```
    4 3
  ×  2 2
  ───────
  ───────
```

2. Solve using the area model. Add the columns to record two partial products.

64 x 15

```
    6 4
  ×  1 5
  ───────
  ───────
  ───────
```