Name_____ Date_____

1. What is the greatest multiple of 6 that is less than 50?

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

a. 5 _____ _____

b. 24 _____ _____

c. 81 _____ _____

d. 17_____ _____

e. 33 _____ _____

3. Use any place value strategy to divide.

4,500 ÷ 9

b. 88 cookies come in a box. If 4 families share 3 boxes equally, how many cookies does each family receive?

4. 417 ÷ 4

a. Solve by drawing place value disks.

b. Solve numerically.

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

a. 6424 ÷ 4

b. 3685 ÷ 4

c. 62 x 14

d. 38 x 21

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Gina's house needs a new kitchen floor

   a. The kitchen's rectangular floor is 21 meters long and 18 meters wide. How many square meters of flooring does she need? Use estimation to assess the reasonableness of your answer.

   b. Gina ordered small pictures and large pictures to hang on the walls of her kitchen. 4 times as many small posters were ordered as large posters. If there were 16 large pictures, how many more small pictures were ordered than large pictures?

c. Dinner plates are sold in packages of 6. Gina needs 3 plates for each for her 5 children. How many packages of plates will she need to order?

d. There are three numbers for the security system to the kitchen door. The first number is 31. The other two numbers can be multiplied together to give a product of 32. 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 to the kitchen door.

Name_____ Date_____

1. What is the greatest multiple of 6 that is less than 50?

8

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

a. 5 **prime** **1,5**

b. 24 **composite** **1, 2, 3, 4, 6, 8, 12, 24**

c. 81 **composite** **1, 9, 81**

d. 17 **prime** **1, 17**

e. 33 **composite** **1, 3, 11, 33**

3. Use any place value strategy to divide.

4,500 ÷ 9 **500**

b. 88 cookies come in a box. If 4 families share 3 boxes equally, how many cookies does each family receive?

66

4. 417 ÷ 4

a. Solve by drawing place value disks.

b. Solve numerically.

104 r 1 or 101.25

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

a. 6424 ÷ 4

1606

b. 3685 ÷ 4

921 r1 or 921.25

c. 62 x 14

868

d. 38 x 21

798

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Gina's house needs a new kitchen floor

   a. The kitchen's rectangular floor is 21 meters long and 18 meters wide. How many square meters of flooring does she need? Use estimation to assess the reasonableness of your answer.

Est. 20 x 20 = 400

21 x 18 = 378 square meters

   b. Gina ordered small pictures and large pictures to hang on the walls of her kitchen. 4 times as many small pictures were ordered as large pictures. If there were 16 large pictures, how many more small pictures were ordered than large pictures?

4 x 16 = 64

64 - 16 = 48 more small pictures

c. Dinner plates are sold in packages of 6. Gina needs 3 plates for each for her 5 children. How many packages of plates will she need to order?

3 packages

d. There are three numbers for the security system to the kitchen door. The first number is 31. The other two numbers can be multiplied together to give a product of 32. 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 to the kitchen door.

1 x 32 = 32 **2 x 16 = 32** **4 x 8 = 32**

Possible combinations:

31,1, 32 **31, 2, 16** **31, 4, 8**

Name_____ Date_____

1. What is the greatest multiple of 7 that is less than 50?

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

a. 7 _____ _____

b. 22 _____ _____

c. 71 _____ _____

d. 35_____ _____

e. 9 _____ _____

3. Use any place value strategy to divide.

2,400 ÷ 6

b. 75 nails come in a box. If 3carpenters share 4 boxes equally, how many nails does each carpenter receive?

4. 287 ÷ 3

a. Solve by drawing place value disks.

b. Solve numerically.

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

a. 4726 ÷ 4

b. 2584 ÷ 4

c. 53 x 12

d. 27 x 36

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Sam's garage needs a new floor

   a. The garage's rectangular floor is 28 meters long and 15 meters wide. How many square meters of flooring does he need? Use estimation to assess the reasonableness of your answer.

   b. Sam ordered small hooks and large hooks to hang items on the walls of his garage. 4 times as many small hooks were ordered as large hooks. If there were 16 large hooks, how many more small hooks were ordered than large hooks?

c. Nails are sold in boxes of 26. Sam needs 250 nails to complete a project. How many boxes of nails will he need to buy?

d. There are three numbers for the security system to the garage. The first number is 28. The other two numbers can be multiplied together to give a product of 35. 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 to the kitchen door.

Name_____ Date_____

1. What is the greatest multiple of 7 that is less than 50?

7

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

a. 7 **prime** **1, 7**

b. 22 **composite** **1, 2, 11, 22**

c. 71 **prime** **1, 71**

d. 35 **composite** **1, 5, 7, 35**

e. 9 **composite** **1, 3, 9**

3. Use any place value strategy to divide.

2,400 ÷ 6 **400**

b. 75 nails come in a box. If 3carpenters share 4 boxes equally, how many nails does each carpenter receive?

100 nails

Name_____ Date_____

1. What is the greatest multiple of 9 that is less than 80?

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

a. 11 _____ _____

b. 28 _____ _____

c. 56 _____ _____

d. 24_____ _____

e. 13 _____ _____

3. Use any place value strategy to divide.

5,600 ÷ 7

b. 85 paper clips come in a box. If 5 teachers share 4 boxes equally, how many paper clips does each teacher receive?

4. 246 ÷ 4

a. Solve by drawing place value disks.

b. Solve numerically.

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

a. 3521 ÷ 3

b. 2576 ÷ 4

c. 43 x 16

d. 24 x 52

4. 287 ÷ 3

a. Solve by drawing place value disks.

b. Solve numerically.

95 r2 or 95 2/3

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

a. 4726 ÷ 4

1181.5 or

11 81 1/2 or

1181 r2

b. 2584 ÷ 4

645

c. 53 x 12

636

d. 27 x 36

972

c. Candles are sold in packages of 5. Hanna needs 3 candles for each for her 4 tables. How many packages of candles will she need to purchase?

d. There are three numbers for pattern to the fireplace tiles. The first number is 12. The other two numbers can be multiplied together to give a product of 24. 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 to the kitchen door.

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Sam's garage needs a new floor

   a. The garage's rectangular floor is 28 meters long and 13 meters wide. How many square meters of flooring does he need? Use estimation to assess the reasonableness of your answer.

Est. 30 x 10 = 300

364 square meters

   b. Sam ordered small hooks and large hooks to hang items on the walls of his garage. 3 times as many small hooks were ordered as large hooks. If there were 38 large hooks, how many more small hooks were ordered than large hooks?

3 x 38 = 114

114 - 38 =76

c. Nails are sold in boxes of 26. Sam needs 250 nails to complete a project. How many boxes of nails will he need to buy?

10 boxes

d. There are three numbers for the security system to the garage. The first number is 28. The other two numbers can be multiplied together to give a product of 35. 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 to the kitchen door.

1 x 35 = 35 5 x 7 = 35

28, 1, 35 28, 5, 7

Name_____ Date_____

1. What is the greatest multiple of 9 that is less than 80?

8

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

a. 11 **prime** **1,11**

b. 28 **composite** **1, 2, 4, 7, 14, 28**

c. 56 **composite** **1, 2, 4, 7, 8, 14, 28, 56**

d. 24 **composite** **1, 2, 3, 4, 6, 8, 12, 24**

e. 13 **prime** **1,13**

3. Use any place value strategy to divide.

5,600 ÷ 7 **800**

b. 85 paper clips come in a box. If 5 teachers share 4 boxes equally, how many paper clips does each teacher receive?

85 x 4 = 340

340 ÷ 5 = 68

4. 246 ÷ 4

a. Solve by drawing place value disks.

b. Solve numerically.

61.5 or 61 r 2

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

a. 3521 ÷ 3

1173 r 2

b. 2576 ÷ 4

644

c. 43 x 16

688

d. 24 x 52

1248

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Hanna needs wall paper for her living room wall.

   a. The living room's rectangular wall is 34 meters long and 21 meters wide. How many square meters of wall paper does she need? Use estimation to assess the reasonableness of your answer.

   b. Hanna also ordered small tiles and large tile to replace the old ones on her fireplace. 5 times as many small tiles were ordered as large tiles. If there were 16 large tiles, how many more small tiles were ordered than large tiles?

Solve using a model or equation.
Show your work, and write your answer as a statement

6. Hanna needs wall paper for her living room wall.

   a. The living room's rectangular wall is 32 meters long and 21 meters wide. How many square meters of wall paper does she need? Use estimation to assess the reasonableness of your answer.

Est. 30 x 20 = 600

672 square meters

   b. Hanna also ordered small tiles and large tile to replace the old ones on her fireplace. 5 times as many small tiles were ordered as large tiles. If there were 23 large tiles, how many more small tiles were ordered than large tiles?

5 x 23 = 115

115 - 23 = 92

c. Candles are sold in packages of 5. Hanna needs 3 candles for each for her 4 tables. How many packages of candles will she need to purchase?

3 packages

d. There are three numbers for pattern to the fireplace tiles. The first number is 12. The other two numbers can be multiplied together to give a product of 24. 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 to the kitchen door.

1 x 24 = 24 **4 x 6 = 24** **2 x 12 = 24** **3 x 8 = 24**

12, 1, 24 **12, 4, 6** **12, 2, 12** **12, 3, 8**