MODULE 3 REVIEW ACTIVITY

TEST: Key

Name _____ Date _____

1. What is the greatest multiple of 9 that is less than 60?

9, 18, 27, 36, 45, (54)

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

a. 6 composite 1, 2, 3, 6

b. 9 composite 1, 3, 9

c. 13 prime 1, 13

d. 26 composite 1, 2, 4, 6, 13, 26

e. 29 prime 1, 29

3. Use any place value strategy to divide.

a. 2,700 ÷ 9

$$\begin{array}{r} 300 \\ 9\overline{)2700} \\ 27 \\ \hline 00 \\ 0 \\ \hline 00 \end{array}$$

b. 84 markers come in a pack. If 4 students share 3 boxes equally, how many markers does each student receive?

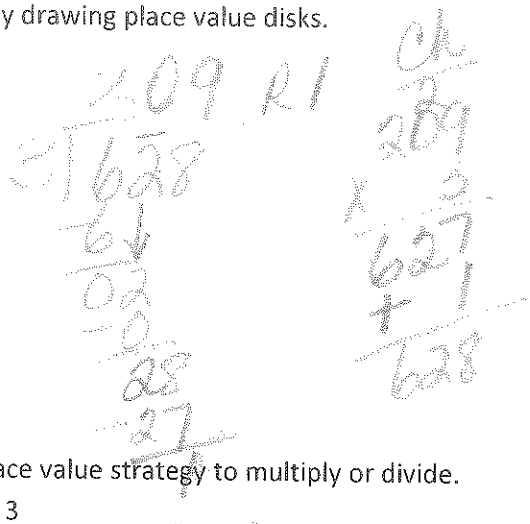
84 Markers
x 3 Boxes
252

63
4)252
24
12

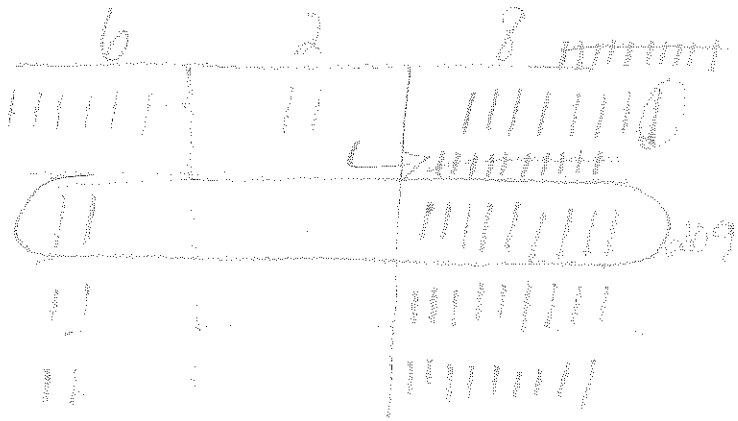
Each student would receive 63 markers

4. 628 ÷ 3

a. Solve by drawing place value disks.

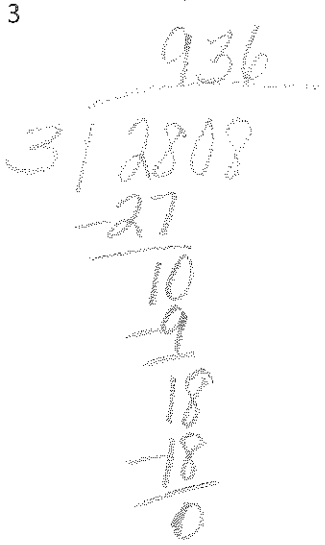


b. Solve numerically.

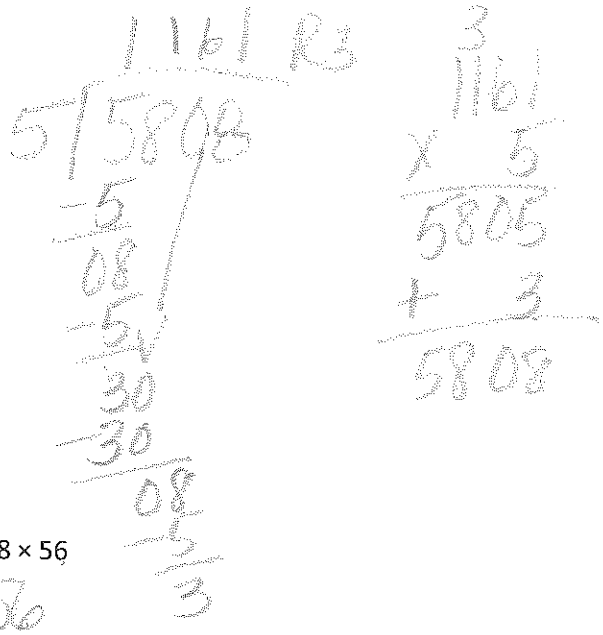


5. Use any place value strategy to multiply or divide.

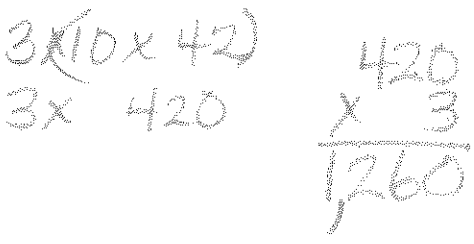
a. 2,808 ÷ 3



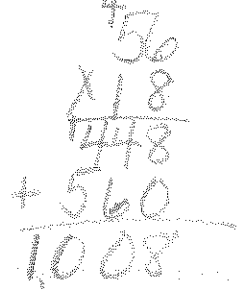
b. 5,808 ÷ 5



c. 30 × 42

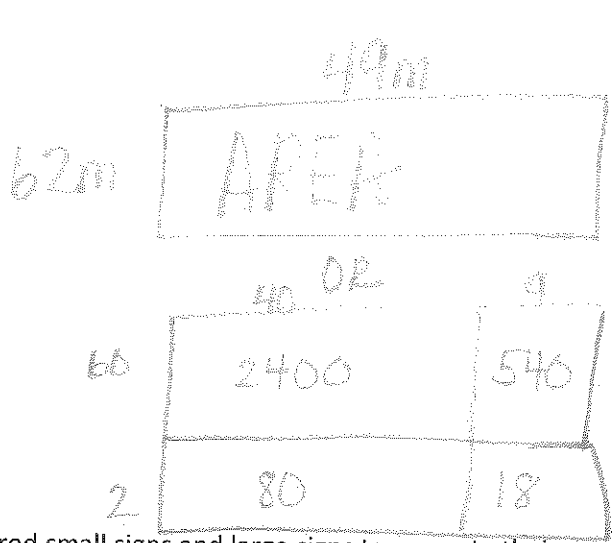


d. 18 × 56



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

6. A new pet store is opening next month.
   a. The store's rectangular floor is 62 meters long and 49 meters wide. How many square meters of flooring do they need? Use estimation to assess the reasonableness of your answer.



62 × 49
1658
2480
3038

2400
540
80
+ 18
3038

   b. The store ordered small signs and large signs to promote their grand opening. 12 times as many small posters were ordered as large posters. If there were 72 large posters, how many more small posters were ordered than large posters?

S = 12 × L = 864
L = 72

72 × 12
144
720
864

864 − 72 = 792 more small posters than large posters

c. Staff badges are sold in packages of 6. The store's 123 employees will each be given 2 badges. How many packages will the store need to order?

123 Employees
x 2 Badges
246 Total Badges
Pack of 6

41 Packages Need to Be Ordered
6 | 246
-24
06
-6
0

d. There are three numbers for the combination to the store's lock. The first number is 19. The other two numbers can be multiplied together to give a product of 54. 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 safe.

19

54
1 | 54
2 | 27
3 | 18
6 | 9

Possible Combinations
19, 1, 54
19, 54, 1
19, 2, 27
19, 27, 2
19, 3, 18
19, 18, 3
19, 6, 9
19, 9, 6