

Practice for Eureka Math Module 1 Assessment Grade 3

Name _____

Date _____

1. Mr. Damon arranges all the desks in his classroom into 8 equal groups of 5. How many desks are in his classroom? Show a picture and multiplication sentence in your work.

a. What does the product in your multiplication sentence represent?

b. Fill in the blanks below to complete a related division sentence.

$$\underline{\hspace{2cm}} \div 5 = \underline{\hspace{2cm}}$$

c. What does the quotient in Part (b) represent?

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2. a. Draw an array that shows 4 rows of 3. Write a multiplication sentence to represent the array, and circle the factor that represents the number of rows.



- b. Draw another array that shows 5 rows of 6. Write a different multiplication sentence, and circle the factor representing the row's size.

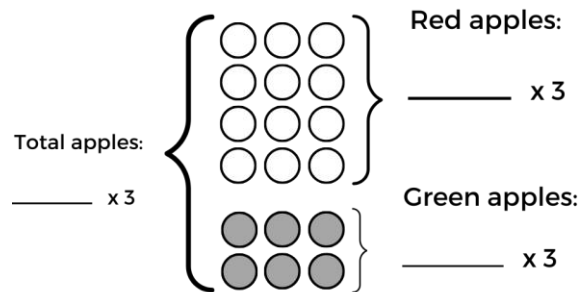
- c. Explain the relationship between the two arrays using number sentences and words.



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3. Ms. Lee buys a tray of apples for a class party. There are 4 rows of 3 red apples. There are 2 rows of 3 green apples.

- a. The picture below shows Ms. Park's apples. Fill in the blanks to complete the expression.



- b. Fill in the unknowns in the equation below to match the picture of the apples in Part (a). Use the break apart and distribute strategy to find the total number of apples Ms. Lee bought.

$$\underline{\quad} \times 3 = \underline{\quad} \times 3 + \underline{\quad} \times 3$$

Ms. Lee bought _____ apples.

- c. James brings 5 green apples for the class party. Show James's green apples on the picture in Part (a). Then, fill in the unknowns in the equation below to match the new picture. Solve to find the total number of apples.

$$\underline{\quad} \times 3 = \underline{\quad} \times 3 + \underline{\quad} \times 3$$

There are _____ apples in all

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4. Mr. Brown's class plays a game. The class earns 10 points each time they answer a question correctly. The class earns 80 points playing the game on Monday.

- a. How many questions did the class answer correctly? Show a picture and division sentence in your work.

- b. Mr. Brown uses the equation $10 \times \underline{\quad} = 80$ to find how many questions the class answered correctly. Is his method correct? Why or why not?

- c. The class answered 9 questions correctly on Tuesday. What is the total number of points the class earned on both days?

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5. Complete as many problems as you can in 100 seconds. Your teacher will time you and tell you when to stop.

$3 \times 4 =$

$5 \times 6 =$

$6 \times 8 =$

$7 \times 5 =$

$8 \times 2 =$

$2 \times 4 =$

$5 \times 4 =$

$9 \times 3 =$

$8 \times 5 =$

$9 \times 5 =$

$1 \times 4 =$

$7 \times 4 =$

$4 \times 9 =$

$6 \times 2 =$

$9 \times 7 =$

$2 \times 4 =$

$3 \times 6 =$

$4 \times 6 =$

$4 \times 5 =$

$9 \times 8 =$

$3 \times 3 =$

$6 \times 6 =$

$8 \times 6 =$

$2 \times 6 =$

$5 \times 7 =$

$3 \times 3 =$

$9 \times 6 =$

$3 \times 6 =$

$5 \times 3 =$

$5 \times 2 =$