

Honoree: Command Sergeant Major (CSM) Gail M. Williams

CSM Gail M. Williams was the first African American Sergeant Major. She served for more than 34 years in the military.

Grade Level: 3

Subject: Mathematics

SC Standard: Operations and Algebraic Thinking 3.3

Represent and solve problems involving multiplication and division.

3. Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.12-2.5 Interpret models of equal grouping (multiplication) as repeated addition and arrays.

Goal Objectives: To solve problems involving multiplication and division.

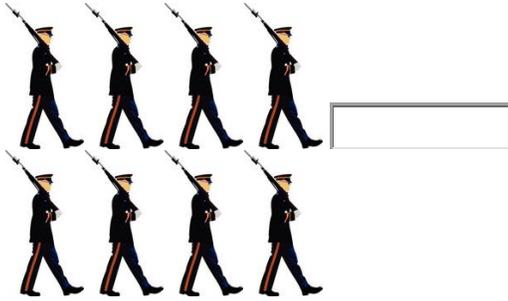
1) Students will interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each. *For example, describe a context in which a total number of objects can be expressed as 5×7 .*

2) Students will interpret whole-number a quotient of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. *For example, describe a context in which a number of shares or a number of groups can be expressed as $56 \div 8$*

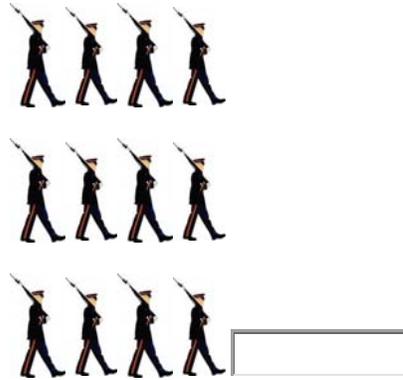
Steps/Strategies: Use the grouping strategy.

Activity One:

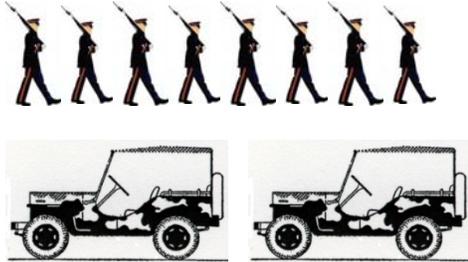
Write the multiplication sentence shown here:



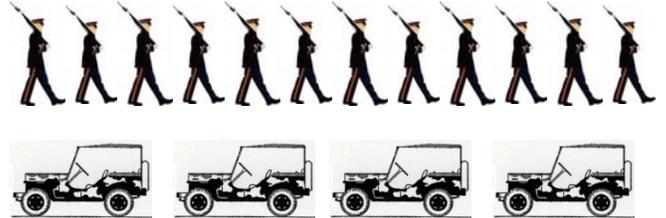
Write the multiplication sentence shown here:



Divide these soldiers up equally into the trucks below.
Write a division sentence.



Divide these soldiers up equally into the trucks below.
Write a division sentence.



Activity Two:

Draw your own multiplication picture and sentence.