Study Guide

Equalities and Inequalities Mid Unit Assessment

The students will solve equations like the following. The students have to figure out the missing variables. The variables are letters or missing numbers in the equations.

2 x 3 = a **The product (answer) is 6. The factors 2 x 3 make six.**

Use an array to solve the problem:

**X X X**

**X X X Two groups of three make six.**

45 divided by s = 5

The kids can use lots of strategies for this particular problem.

Equal Groups Strategy

**There are four groups of five so the answer is 4. Draw five objects in each group until you get to 20.**

Array Strategy

XXXXX 5

XXXXX 10

XXXXX 15

XXXXX 20

**There are four groups of five.**

**Another problem the students will work on is showing related facts – division and subtraction. These related facts are like fact families.**

**4 x 6 = 24**

**6 x 4 = 24**

**24 divided by 6 = 4**

**24 divided by 4 = 6**

**Solve the equation and then write a related division fact.**

**6 x 4 = a**

**A related division fact is 24 divided by 6 = 4**

**Solve the equation and then write a related multiplication fact.**

**24 divided by 6 = b**

**A related multiplication fact 6 x 4 = 24**