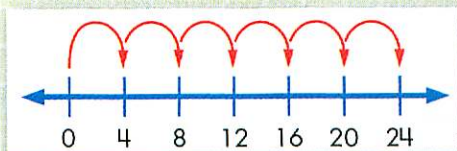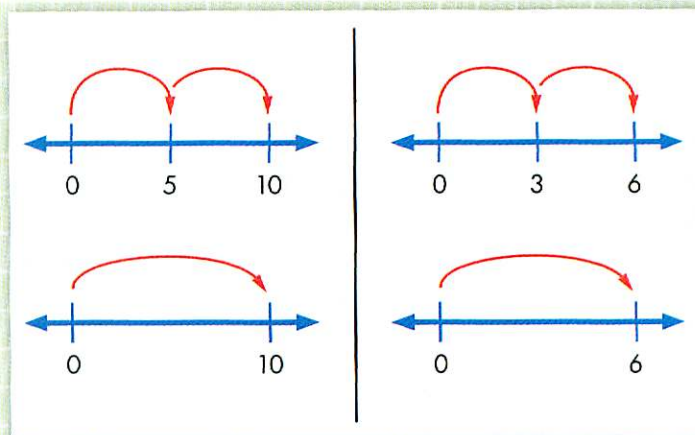# Representing Multiplication with the Number Line

In earlier Grade 3 units, students used the number line to show addition and subtraction. In this unit, students use the number line to show that multiplication involves equal groups. Students see that skip counting on the number line is a useful addition to skip counting on the 100 chart. Although it does not show the patterns in relationship to 10 that are visible on the 100 chart, skip counting on the number line clearly shows the accumulation of equal groups.

This representation may be particularly useful when students are working with doubling and halving in Investigation 2. For example, as students consider the relationship between multiples of 5 and 10 or multiples of 3 and 6, some students may use the number line to justify their arguments.

See Kathryn's reasoning in **Dialogue Box:** Relationships Between the Multiples of 5 and 10 (page 170).