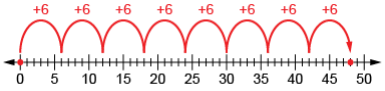
Number

Activity 4 Assessment

Whole-Number Rates

Whole-Number Rates

Represents and records rates symbolically	Represents and creates equivalent rates	Represents and creates in-between rates	Flexibly solves problems involving rates
It takes 6 apples to make an apple pie. How many apples are needed to make 9 pies?  "I used a number line to show how the number of apples increases as the number of pies increases."	Alex runs 500 m in 2 min. How far could Alex run in 10 min? **Time (min)** 2 4 6 8 10 **Distance (m)** 500 1000 1500 2000 2500 "I used a ratio table. It makes it easy to make comparisons and to solve the problem. Alex could 2500 m in 10 min."	Alex runs 500 m in 2 min. How far could Alex run in 7 minutes? **Time (min)** 2 4 6 8 10 **Distance (m)** 500 1000 1500 2000 2500 "7 is halfway between 6 and 8, so I found the number halfway between 1500 and 2000: 1750. Alex could run 1750 m. in 7 min."	Shila cuts lawns in the neighborhood and charges $7/hour. If Shila works for 6 hours each week, how many hours will Shila need to work to make $168? **Hours** 6 12 18 24 **Earnings ($)** 42 84 126 168 "I know that Shila makes $42 a week (7 × 6 = 42). From the ratio table, Shila will make $168 dollars after 24 hours of work."

Observations/Documentation