Number

Activity 28 Assessment

Whole Number Rates

Representing Multiplicative Relationships as Rates			
Solves unit rate problems concretely and pictorially It takes 6 apples to make an apple pie. How many apples are needed to make 9 pies? $_{0 \ 5 \ 10 \ 15 \ 20 \ 25 \ 30 \ 35 \ 40 \ 45 \ 50}^{+6 \ +6 \ +6 \ +6 \ +6 \ +6 \ +6 \ +6 \$	Uses various tools to solve multiple unit rate problems. Kiran and Simi walk 30 km. Kiran walks 5 km per hour and Simi walks 6 km in one hour. How long will it take each person to walk 30 km? $\frac{Hours}{Kiran (km)} \frac{1}{5} \frac{2}{10} \frac{3}{15} \frac{4}{20} \frac{5}{25} \frac{6}{30}}{Sami (km)}$	Uses inverse relationships to record and solve unit rate problems Marc paddled a canoe 10 km in 150 minutes. At what rate did he paddle?	Flexibly applies multiplicative reasoning to solve different types of unit rate problems. 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?
"I used a number line to show how the number of apples increases as the number of pies increases."	"I used a ratio table. It makes it easy to make comparisons and to solve the problem."	 *10 km × rate per minute = 150 minutes I thought division: 150 ÷ 10 = ? I know 10 × 15 = 150. So, Marc paddled at the rate of 15 km per minute." 	"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/Documentatio	n		