## Activity 11 Assessment Exploring Ratios

Representing Equivalent Ratios and Rates			
Represents and records ratios and rates symbolically. 10 glue sticks cost \$4. How much will 60 glue sticks cost? For example, using rates: <u>Glue Sticks 10 20 30 40 50 60</u> <u>cost (\$) 4 8 12 16 20 24</u> "I skip-counted by 10s and 4s."	Represents and creates equivalent ratios and rates. 10 glue sticks cost \$4. How much will 60 glue sticks cost? For example, using ratios: "The ratio of glue sticks to cost is 10:4. To find the cost of 60 glue sticks, I multiply each term by 6." $10 \times 6 : 4 \times 6$ 60 : 24	Represents and creates in-between ratios and rates.A crafter sells 2 hand-painted pots for \$18. How much will the crafter make if 7 pots are sold?For example, using rates:Pots Sold246810Amount Made (\$)1836547290"7 is halfway between 6 and 8, so I find the number halfway between 54 and 72, which is \$63.00."	<ul> <li>Flexibly solves problems involving ratios, including percents, and rates.</li> <li>The ratio of dogs to cats in the animal shelter is 8:12. Show the comparison using percents.</li> <li>"The whole is 8 + 12 = 20. Since percent is "out of 100", I multiply each term in the ratio by 5 because 5 × 20 = 100. 8 × 5:12 × 5, or 40:60</li> <li>40% of the animals are dogs and 60% are cats."</li> </ul>
Observations/Documentation			