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| **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:“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?“The ratio of glue sticks to cost is 10:4. To find the cost of 60 glue sticks, I multiply each term by 6.” | 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:“7 is halfway between 6 and 8, so I find the number halfway between 54 and 72, which is $63.00.” | Flexibly solves problems involving ratios, including percents, and rates.The ratio of dogs to cats in the animal shelter is 8:12. Show the comparison using percents.“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 40:6040% of the animals are dogs and 60% are cats.” |
| **Observations/Documentation** |
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