Activity 8 Assessment
Relating Ratio and Proportion

Relating Ratio and Proportion

Writes a ratio in simplest form	Writes equivalent ratios for a two-term ratio	Uses equivalent ratios to identify an unknown number in a ratio table	Uses a proportion to solve a ratio problem
The terms in the ratio 28:12 have 4 as their greatest common factor. In simplest form, 28:12 = 7:3	Equivalent ratios for 24:16 are 12:8, 6:4, 3:2, and 48:32	**Ratio Table** | 3	2
6	4
9	a
12	8
b	12	 $\times 3$ $\times 6$ $\times 3$ $\times 6$ For a: 1st column: $3 \times 3 = 9$ 2nd column: $2 \times 3 = a$ So, $a = 6$ For b: 2nd column: $2 \times 6 = 12$ 1st column: $3 \times 6 = b$ So, $b = 18$	For a: $3:2 = 9:a$ Write each ratio as a fraction. $\times 3$ $$\frac{3}{2} = \frac{9}{a}$$ $\times 3$ $a = 2 \times 3$ $a = 6$

Observations/Documentation