

6.4 Equivalent Ratios and Ratio Tables

Chapter 6: Ratios, Rates, and Proportional Reasoning

Name: _____

Date: _____

Class/Period: _____

Problem 6.49 Complete $3 : 8 = 12 : x$.

Problem 6.52 Find x in $(2, 11), (6, 33), (10, x)$.

Problem 6.50 Complete $5 : 7 = x : 35$.

Problem 6.53 Find y when $x = 15$ and $y/x = 2.4$.

Problem 6.51 Complete $9 : 4 = 63 : x$.

Problem 6.54 Are $6 : 15$ and $14 : 35$ equivalent?

6.4 Equivalent Ratios and Ratio Tables

Chapter 6: Ratios, Rates, and Proportional Reasoning

Problem 6.55 Are $1.2 : 3$ and $2 : 5$ equivalent?

Problem 6.58 Find the equation for $(3, 8)$, $(6, 16)$, $(12, 32)$.

Problem 6.56 Write three equivalent ratios to $7 : 9$.

Problem 6.59 Find the unit rate in 18 miles per 1.5 hours.

Problem 6.57 Complete a table for $y = 4x$ at $x = 0, 2, 5, 9$.

Problem 6.60 Explain why $(0, 0)$ fits every equation $y = kx$.

6.4 Equivalent Ratios and Ratio Tables

Chapter 6: Ratios, Rates, and Proportional Reasoning

Problem 6.61 A recipe uses 5 cups of flour for 8 batches. Complete a ratio table for 1, 3, 10, and 25 batches.

Problem 6.63 One table has constant $y/x = \frac{3}{5}$. Another has constant $x/y = \frac{3}{5}$. Are the relationships the same? Explain.

Problem 6.62 A student claims that $(4, 10), (6, 12), (8, 14)$ is proportional because both coordinates increase by 2. Explain the mistake.

Problem 6.64 Create a proportional table with a non-whole-number constant and at least four columns.