

Ratio Reasoning

Concept — ANSWER KEY

Keep the relationship steady.

Think: A ratio compares amounts. Multiply or divide BOTH parts by the same number and it stays equal.

1. Answers with the thinking.

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| 1) A recipe uses 2 cups of flour and 3 cups of sugar. You make 2 batches. How many cups of flour do you need? 4
↳ 2×2 | 2) A recipe uses 2 cups of flour and 2 cups of sugar. You make 3 batches. How many cups of flour do you need? 6
↳ 2×3 |
| 3) Write the ratio 8 : 12 in its simplest form. 2 : 3
↳ divide both by 4 | 4) Write the ratio 15 : 25 in its simplest form. 3 : 5
↳ divide both by 5 |
| 5) Write the ratio 4 : 20 in its simplest form. 1 : 5
↳ divide both by 4 | 6) A recipe uses 4 cups of flour and 2 cups of sugar. You make 3 batches. How many cups of flour do you need?
12
↳ 4×3 |
| 7) Write the ratio 2 : 8 in its simplest form. 1 : 4
↳ divide both by 2 | 8) Write the ratio 8 : 10 in its simplest form. 4 : 5
↳ divide both by 2 |
| 9) A recipe uses 3 cups of flour and 1 cups of sugar. You make 2 batches. How many cups of flour do you need? 6
↳ 3×2 | 10) Write the ratio 12 : 30 in its simplest form. 2 : 5
↳ divide both by 6 |