

Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

Ratios



Servings	Strawberry	Banana
1	4	3
2	8	6
3	12	9

$12 : 9 = 4 : 3$

- 1 Select the true statements about ratios.
- 2 Determine the ratio that corresponds to each tape diagram.
- 3 Identify which ratios correspond to each table.
- 4 Complete the table for each ratio.
- 5 Create the tape diagram for each ratio.
- 6 Determine which table goes with which tape diagram.
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

Select the true statements about ratios.

Select only the true statements.

- The ratio $\frac{1}{3}$ can be represented as 1 : 3. **A**
- A ratio is a relationship between two amounts. **B**
- The ratio 12 : 9 is equal to 3 : 4. **C**
- The ratio $\frac{8}{18} = \frac{4}{9}$ **D**
- Tape diagrams can visually represent ratios. **E**
- The ratio 4 : 8 can also be represented as $\frac{2}{1}$. **F**
- 3 cups of sugar for every 2 cups of flour is equivalent to 6 cups of sugar for every 4 cups of flour. **G**
- In a ratio, order matters. **H**
- The ratio 3 : 4 can be expressed as 3×4 **I**

Our hints for the tasks

1
from 6

Select the true statements about ratios.

1. Hint

Ratios can be represented in three different ways:

- 1 to 3
 - 1 : 3
 - $\frac{1}{3}$
-

2. Hint

The ratio 2 : 4 is equivalent to the ratio 1 : 2 because $\frac{2}{4} = \frac{1}{2}$.

3. Hint

The ratio 3 to 1 is very different from the ratio 1 to 3.

Solutions and solution approaches for the tasks

1
from 6

Select the true statements about ratios.

Answer key: A, B, D, E, G, H

True Statements

- The ratio $\frac{1}{3}$ can be represented as 1 : 3.
- A ratio is a relationship between two amounts.
- The ratio, $\frac{8}{18} = \frac{4}{9}$.
- Tape diagrams visually represent ratios.
- 3 cups of sugar for every 2 cups of flour is equivalent to 6 cups of sugar for every 4 cups of flour.
- In a ratio, order matters.

False Statements

The ratio, 12 : 9, is equal to 3 : 4.

- This statement is false because dividing the ratio 12 : 9 by 3 results in a ratio of 4 : 3. Another way to view the ratio is to set it up as a fraction, $\frac{12}{9} = \frac{4}{3}$. Remember, in a ratio order matters!

The ratio, 4 : 8 can also be represented as $\frac{2}{1}$.

- The statement is false because the ratio 4 : 8 represented as a fraction is $\frac{4}{8} = \frac{1}{2}$, not $\frac{2}{1}$. Remember, in a ratio order matters!

The ratio 3 : 4 can be expressed as 3×4 .

- The ratio 3 : 4 can be represented as 3 to 4 or $\frac{3}{4}$, not 3×4 .