



Printable Worksheets 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 lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Select the true statements about ratios.

Select only the true statements.

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



Hints for solving these problems

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of 6

Select the true statements about ratios.

Hint #1

Ratios can be represented in three different ways:

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

Hint #2

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

Hint #3

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



Answers and detailed answer explanations for these problems

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of 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 .