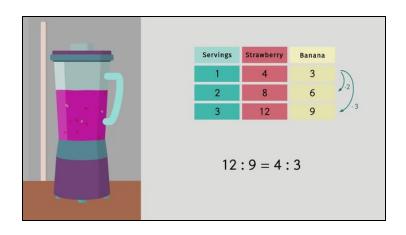
Worksheets to print out from sofatutor.com

Ratios

1



Select the true statements about ratios.

Determine the ratio that corresponds to each tape diagram.

- Identify which ratios correspond to each table.
- Complete the table for each ratio.
- Create the tape diagram for each ratio.

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





Α

В

C

D

Ε

Е

G

Η

Select the true statements about ratios.

Select only the true statements.

The ratio $\frac{1}{3}$ can be represented as $1\pm$:	3	
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A ratio is a relationship between two amounts.

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

The ratio $\frac{8}{18} = \frac{4}{9}$

Tape diagrams can visually represent ratios.

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

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.

The ratio 3:4 can be expressed as 3 imes 4



Our hints for the tasks



Select the true statements about ratios.

1. Hint

Ratios can be represented in three different ways:

- $\bullet 1 \text{ to } 3$
- 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 $3 \mbox{ to } 1$ is very different from the ratio $\ 1 \mbox{ to } 3.$





Solutions and solution approaches for the tasks



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 .

