Worksheet: Associated Ratios and the Value of a Ratio

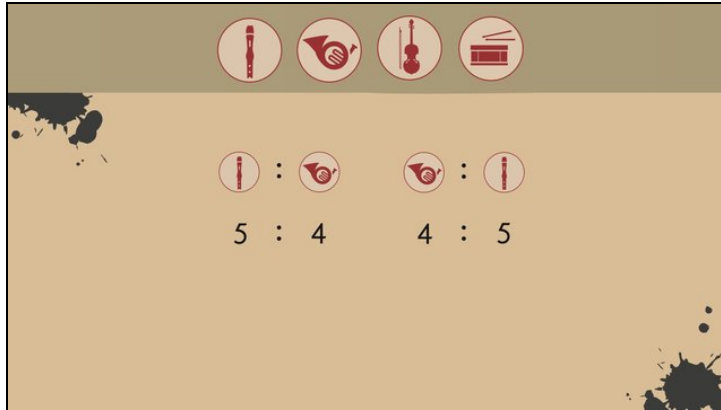Math / Middle School / Ratios and Unit Rates / Representing and Reasoning About Ratios / Associated Ratios and the Value of a Ratio

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Associated Ratios and the Value of a Ratio

① **Write each fraction in ratio notation.**

② Find the associated ratio for each given ratio.

③ Write each sentence in ratio notation.

④ Identify which statements are true.

⑤ Identify the ratio which is being described along with its associated ratio.

⑥ Determine the ratio and its associated ratio.

⊕ 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

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Math / Middle School / Ratios and Unit Rates / Representing and Reasoning About Ratios / Associated Ratios and the Value of a Ratio

1
from 6

Write each fraction in ratio notation.

Fill in the blanks.

1 The ratio notation for $\frac{3}{2}$ is _____ 1 : _____ 2 .

2 The ratio notation for $\frac{7}{3}$ is _____ 3 : _____ 4 .

3 The ratio notation for $\frac{1}{9}$ is _____ 5 : _____ 6 .

4 The ratio notation for $\frac{11}{7}$ is _____ 7 : _____ 8 .

5 The ratio notation for $\frac{5}{19}$ is _____ 9 : _____ 10 .

6 The ratio notation for $\frac{8}{3}$ is _____ 11 : _____ 12 .

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Our hints for the tasks

1 from 6

Write each fraction in ratio notation.

1. Hint

A ratio written in fraction notation is the same as a ratio written in ratio notation.

2. Hint

Both ways of representing the ratio, $1:2$ and $\frac{1}{2}$, are read "one to two".

3. Hint

The ratio notation for $\frac{7}{3}$ is $7:3$.

Solutions and solution approaches for the tasks

1
from 6

Write each fraction in ratio notation.

Answer key: 1: 3 // 2: 2 // 3: 7 // 4: 3 // 5: 1 // 6: 9 // 7: 11 // 8: 7 // 9: 5 // 10: 19 // 11: 8 // 12: 3

A ratio written in fraction notation is the same as a ratio written in ratio notation.

The numerator always corresponds to the left side of a ratio, and the denominator always corresponds to the right side of a ratio.

1. The ratio notation for $\frac{3}{2}$ is $3 : 2$.

2. The ratio notation for $\frac{7}{3}$ is $7 : 3$.

3. The ratio notation for $\frac{1}{9}$ is $1 : 9$.

4. The ratio notation for $\frac{11}{7}$ is $11 : 7$.

5. The ratio notation for $\frac{5}{19}$ is $5 : 19$.

6. The ratio notation for $\frac{8}{3}$ is $8 : 3$.