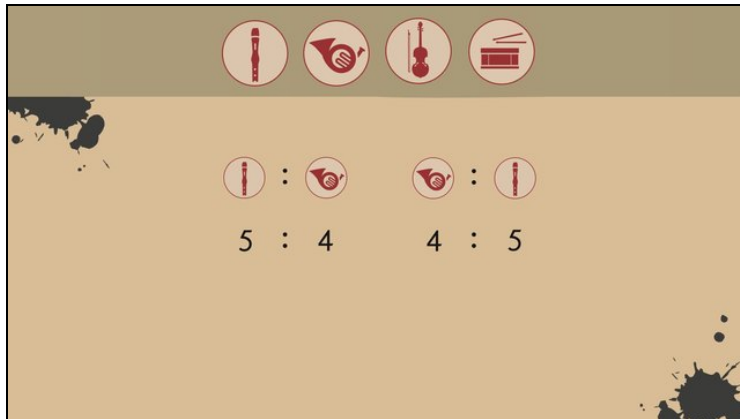




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# Associated Ratios and the Value of a Ratio



- 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 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.



## Write each fraction in ratio notation.

Fill in the blanks.

1 The ratio notation for  $\frac{3}{2}$  is \_\_\_\_<sub>1</sub>: \_\_\_\_<sub>2</sub>.

2 The ratio notation for  $\frac{7}{3}$  is \_\_\_\_<sub>3</sub>: \_\_\_\_<sub>4</sub>.

3 The ratio notation for  $\frac{1}{9}$  is \_\_\_\_<sub>5</sub>: \_\_\_\_<sub>6</sub>.

4 The ratio notation for  $\frac{11}{7}$  is \_\_\_\_<sub>7</sub>: \_\_\_\_<sub>8</sub>.

5 The ratio notation for  $\frac{5}{19}$  is \_\_\_\_<sub>9</sub>: \_\_\_\_<sub>10</sub>.

6 The ratio notation for  $\frac{8}{3}$  is \_\_\_\_<sub>11</sub>: \_\_\_\_<sub>12</sub>.



## Hints for solving these problems

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of 6

### Write each fraction in ratio notation.

#### Hint #1

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

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#### Hint #2

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

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#### Hint #3

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

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## Answers and detailed answer explanations for these problems

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of 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.