

Lesson 3-10 • Apply Day

Reinforce Understanding

3.10 • Part II

I can convert measurement units using ratios and conversion factors.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. (Lesson 3.4) Complete a new equivalent ratio: $2:3 = \underline{\hspace{1cm}}:\underline{\hspace{1cm}}$. Use a scale factor of 2.

Complete each step, then write the final answer.

1. Multiply 2×2 : $\underline{\hspace{1cm}}$.
2. Multiply 3×2 : $\underline{\hspace{1cm}}$.
3. Write the equivalent ratio: $\underline{\hspace{1cm}}$.

Answer: $\underline{\hspace{2cm}}$

2. (Lesson 3.4) Complete a new equivalent ratio: $3:5 = \underline{\hspace{1cm}}:\underline{\hspace{1cm}}$. Use a scale factor of 3.

Complete each step, then write the final answer.

1. Multiply 3×3 : $\underline{\hspace{1cm}}$.
2. Multiply 5×3 : $\underline{\hspace{1cm}}$.
3. Write the equivalent ratio: $\underline{\hspace{1cm}}$.

Answer: $\underline{\hspace{2cm}}$

3. (Lesson 3.5) Compare gold tiles per blue tile for $2:3$ and $3:5$. Which ratio gives fewer gold tiles per blue tile? Type first or second.

Complete each step, then write the final answer.

1. First rate — gold per blue: $3 \div 2 = \underline{\hspace{1cm}}$.
2. Second rate — gold per blue: $5 \div 3 = \underline{\hspace{1cm}}$.
3. The smaller rate belongs to the $\underline{\hspace{1cm}}$ ratio (type first or second).

Answer: $\underline{\hspace{2cm}}$