



Math worksheet on 'Units - Conversion (2 Ratios) - Problem to Conversion Ratio (Level 2)'. Part of a broader unit on 'Unit Conversion - Intro'

Learn online: app.mobius.academy/math/units/unit_conversion_intro/

1 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{3 \text{ yrd}}{6 \text{ s}} \text{ is ? } \frac{\text{ft}}{\text{min}}$$

- | | | | |
|----------|-----------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| a | $\times 60 \frac{\text{s}}{\text{min}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | b | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |
| c | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ | | |

2 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{3 \text{ yrd}}{8 \text{ s}} \text{ is ? } \frac{\text{ft}}{\text{min}}$$

- | | |
|----------|---------------------------------------------------------------------------------------|
| a | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ |
| b | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |

3 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{6 \text{ min}}{4 \text{ ft}} \text{ is ? } \frac{\text{s}}{\text{yrd}}$$

- | | | | |
|----------|---------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| a | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ | b | $\times 3 \frac{\text{ft}}{\text{yrd}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |
| c | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | | |

4 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{4 \text{ min}}{6 \text{ ft}} \text{ is ? } \frac{\text{s}}{\text{yrd}}$$

- | | | | |
|----------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| a | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ | b | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |
| c | $\times \frac{1 \text{ min}}{60 \text{ s}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | | |

5 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{8 \text{ yrd}}{8 \text{ s}} \text{ is ? } \frac{\text{ft}}{\text{min}}$$

- | | | | |
|----------|-----------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| a | $\times 60 \frac{\text{s}}{\text{min}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | b | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |
| c | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ | d | $\times 3 \frac{\text{ft}}{\text{yrd}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |

6 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{8 \text{ min}}{2 \text{ ft}} \text{ is ? } \frac{\text{s}}{\text{yrd}}$$

- | | | | |
|----------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| a | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | b | $\times \frac{1 \text{ min}}{60 \text{ s}} \times \frac{1 \text{ min}}{60 \text{ s}}$ |
| c | $\times 60 \frac{\text{s}}{\text{min}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | d | $\times 3 \frac{\text{ft}}{\text{yrd}} \times 60 \frac{\text{s}}{\text{min}}$ |

7 Select the conversion ratio you need to solve this unit conversion problem

$$\frac{6 \text{ min}}{7 \text{ yrd}} \text{ is ? } \frac{\text{s}}{\text{ft}}$$

- | | | | |
|----------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| a | $\times 60 \frac{\text{s}}{\text{min}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | b | $\times \frac{1 \text{ yrd}}{3 \text{ ft}} \times 60 \frac{\text{s}}{\text{min}}$ |
| c | $\times 3 \frac{\text{ft}}{\text{yrd}} \times \frac{1 \text{ min}}{60 \text{ s}}$ | | |