



Math worksheet on 'Units - Conversion (1 Ratio) - Problem to Problem Setup (Level 2)'. Part of a broader unit on 'Unit Conversion - Intro'

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

1 Select the correct way to set up this unit conversion problem

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

a	$\frac{3 \text{ yrd}}{6 \text{ s}} \cdot 60 \frac{\text{s}}{\text{min}}$	b	$\frac{3 \text{ yrd}}{6 \text{ s}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$
c	$\frac{3 \text{ yrd}}{6 \text{ s}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$		

2 Select the correct way to set up this unit conversion problem

$$\frac{2 \text{ ft}}{4 \text{ s}} \text{ is } ? \frac{\text{yrd}}{\text{s}}$$

a	$\frac{2 \text{ ft}}{4 \text{ s}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$	b	$\frac{2 \text{ ft}}{4 \text{ s}} \cdot 60 \frac{\text{s}}{\text{min}}$
c	$\frac{2 \text{ ft}}{4 \text{ s}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$		

3 Select the correct way to set up this unit conversion problem

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

a	$\frac{6 \text{ s}}{4 \text{ ft}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$	b	$\frac{6 \text{ s}}{4 \text{ ft}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$
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4 Select the correct way to set up this unit conversion problem

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

a	$\frac{8 \text{ s}}{8 \text{ ft}} \cdot \frac{1 \text{ min}}{60 \text{ s}}$	b	$\frac{8 \text{ s}}{8 \text{ ft}} \cdot 60 \frac{\text{s}}{\text{min}}$
c	$\frac{8 \text{ s}}{8 \text{ ft}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$	d	$\frac{8 \text{ s}}{8 \text{ ft}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$

5 Select the correct way to set up this unit conversion problem

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

a	$\frac{2 \text{ s}}{2 \text{ ft}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$	b	$\frac{2 \text{ s}}{2 \text{ ft}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$
c	$\frac{2 \text{ s}}{2 \text{ ft}} \cdot 60 \frac{\text{s}}{\text{min}}$		

6 Select the correct way to set up this unit conversion problem

$$\frac{2 \text{ ft}}{7 \text{ s}} \text{ is } ? \frac{\text{yrd}}{\text{s}}$$

a	$\frac{2 \text{ ft}}{7 \text{ s}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$	b	$\frac{2 \text{ ft}}{7 \text{ s}} \cdot \frac{1 \text{ min}}{60 \text{ s}}$
c	$\frac{2 \text{ ft}}{7 \text{ s}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$		

7 Select the correct way to set up this unit conversion problem

$$\frac{3 \text{ s}}{5 \text{ ft}} \text{ is } ? \frac{\text{s}}{\text{yrd}}$$

a	$\frac{3 \text{ s}}{5 \text{ ft}} \cdot \frac{1 \text{ yrd}}{3 \text{ ft}}$	b	$\frac{3 \text{ s}}{5 \text{ ft}} \cdot \frac{1 \text{ min}}{60 \text{ s}}$
c	$\frac{3 \text{ s}}{5 \text{ ft}} \cdot 60 \frac{\text{s}}{\text{min}}$	d	$\frac{3 \text{ s}}{5 \text{ ft}} \cdot 3 \frac{\text{ft}}{\text{yrd}}$