



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

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

1 Convert this rate from seconds per yard to seconds per foot.

There are 3 ft in every yrd

$$\frac{6 \text{ s}}{8 \text{ yrd}} \text{ is } ? \frac{\text{s}}{\text{ft}}$$

a $\frac{8 \text{ s}}{18 \text{ ft}}$	b $\frac{18 \text{ s}}{14 \text{ ft}}$	c $\frac{24 \text{ s}}{6 \text{ ft}}$	d $\frac{24 \text{ s}}{8 \text{ ft}}$	e $\frac{6 \text{ s}}{24 \text{ ft}}$	f $\frac{18 \text{ s}}{8 \text{ ft}}$
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2 Convert this rate from seconds per foot to seconds per yard.

There are 3 ft in every yrd

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

a $\frac{9 \text{ s}}{5 \text{ yrd}}$	b $\frac{5 \text{ s}}{9 \text{ yrd}}$	c $\frac{15 \text{ s}}{5 \text{ yrd}}$	d $\frac{15 \text{ s}}{3 \text{ yrd}}$	e $\frac{21 \text{ s}}{3 \text{ yrd}}$	f $\frac{6 \text{ s}}{15 \text{ yrd}}$
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3 Convert this rate from seconds per yard to seconds per foot.

There are 3 ft in every yrd

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

a $\frac{4 \text{ s}}{16 \text{ ft}}$	b $\frac{8 \text{ s}}{12 \text{ ft}}$	c $\frac{15 \text{ s}}{4 \text{ ft}}$	d $\frac{4 \text{ s}}{12 \text{ ft}}$	e $\frac{12 \text{ s}}{4 \text{ ft}}$	f $\frac{4 \text{ s}}{18 \text{ ft}}$
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4 Convert this rate from feet per second to yards per second.

There are 1/3 yrd in every ft

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

a $\frac{8 \text{ yrd}}{14 \text{ s}}$	b $\frac{3 \text{ yrd}}{24 \text{ s}}$	c $\frac{24 \text{ yrd}}{8 \text{ s}}$	d $\frac{8 \text{ yrd}}{9 \text{ s}}$	e $\frac{24 \text{ yrd}}{3 \text{ s}}$	f $\frac{7 \text{ yrd}}{24 \text{ s}}$
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5 Convert this rate from feet per second to yards per second.

There are 1/3 yrd in every ft

$$\frac{7 \text{ ft}}{4 \text{ s}} \text{ is } ? \frac{\text{yrd}}{\text{s}}$$

a $\frac{7 \text{ yrd}}{15 \text{ s}}$	b $\frac{21 \text{ yrd}}{9 \text{ s}}$	c $\frac{12 \text{ yrd}}{7 \text{ s}}$	d $\frac{21 \text{ yrd}}{4 \text{ s}}$	e $\frac{7 \text{ yrd}}{12 \text{ s}}$
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6 Convert this rate from feet per second to yards per second.

There are 3 ft in every yrd

$$\frac{2 \text{ ft}}{3 \text{ s}} \text{ is } ? \frac{\text{yrd}}{\text{s}}$$

a $\frac{6 \text{ yrd}}{3 \text{ s}}$	b $\frac{12 \text{ yrd}}{3 \text{ s}}$	c $\frac{9 \text{ yrd}}{9 \text{ s}}$	d $\frac{2 \text{ yrd}}{9 \text{ s}}$	e $\frac{3 \text{ yrd}}{11 \text{ s}}$	f $\frac{9 \text{ yrd}}{2 \text{ s}}$
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7 Convert this rate from seconds per foot to seconds per yard.

There are 3 ft in every yrd

$$\frac{4 \text{ s}}{3 \text{ ft}} \text{ is } ? \frac{\text{s}}{\text{yrd}}$$

a $\frac{9 \text{ s}}{4 \text{ yrd}}$	b $\frac{3 \text{ s}}{12 \text{ yrd}}$	c $\frac{4 \text{ s}}{9 \text{ yrd}}$	d $\frac{3 \text{ s}}{17 \text{ yrd}}$	e $\frac{12 \text{ s}}{3 \text{ yrd}}$	f $\frac{16 \text{ s}}{4 \text{ yrd}}$
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