



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

Learn online: [app.mobius.academy/math/units/unit\\_conversion\\_intro/](http://app.mobius.academy/math/units/unit_conversion_intro/)

**1** Convert this rate from yards per second to feet per minute.

There are 1/3 yrd in every ft

$$\frac{4 \text{ yrd}}{5 \text{ s}} \text{ is } ? \frac{\text{ft}}{\text{min}}$$

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
$\frac{900 \text{ ft}}{4 \text{ min}}$	$\frac{4 \text{ ft}}{900 \text{ min}}$	$\frac{5 \text{ ft}}{727 \text{ min}}$	$\frac{5 \text{ ft}}{720 \text{ min}}$	$\frac{720 \text{ ft}}{5 \text{ min}}$	$\frac{902 \text{ ft}}{4 \text{ min}}$

**2** Convert this rate from feet per second to yards per minute.

There are 1/3 yrd in every ft

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

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>
$\frac{18 \text{ yrd}}{420 \text{ min}}$	$\frac{360 \text{ yrd}}{24 \text{ min}}$	$\frac{21 \text{ yrd}}{363 \text{ min}}$	$\frac{420 \text{ yrd}}{18 \text{ min}}$	$\frac{426 \text{ yrd}}{18 \text{ min}}$

**3** Convert this rate from minutes per yard to seconds per foot.

There are 1/3 yrd in every ft

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

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
$\frac{12 \text{ s}}{240 \text{ ft}}$	$\frac{243 \text{ s}}{12 \text{ ft}}$	$\frac{240 \text{ s}}{16 \text{ ft}}$	$\frac{12 \text{ s}}{245 \text{ ft}}$	$\frac{240 \text{ s}}{12 \text{ ft}}$	$\frac{242 \text{ s}}{12 \text{ ft}}$

**4** Convert this rate from yards per second to feet per minute.

There are 1/3 yrd in every ft

$$\frac{4 \text{ yrd}}{8 \text{ s}} \text{ is } ? \frac{\text{ft}}{\text{min}}$$

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>
$\frac{1446 \text{ ft}}{4 \text{ min}}$	$\frac{720 \text{ ft}}{8 \text{ min}}$	$\frac{4 \text{ ft}}{1440 \text{ min}}$	$\frac{8 \text{ ft}}{720 \text{ min}}$	$\frac{1440 \text{ ft}}{4 \text{ min}}$

**5** Convert this rate from minutes per foot to seconds per yard.

There are 1/3 yrd in every ft

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

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
$\frac{727 \text{ s}}{2 \text{ yrd}}$	$\frac{360 \text{ s}}{11 \text{ yrd}}$	$\frac{366 \text{ s}}{4 \text{ yrd}}$	$\frac{4 \text{ s}}{360 \text{ yrd}}$	$\frac{360 \text{ s}}{4 \text{ yrd}}$	$\frac{720 \text{ s}}{2 \text{ yrd}}$

**6** Convert this rate from minutes per yard to seconds per foot.

There are 1/3 yrd in every ft

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

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
$\frac{360 \text{ s}}{12 \text{ ft}}$	$\frac{16 \text{ s}}{360 \text{ ft}}$	$\frac{240 \text{ s}}{24 \text{ ft}}$	$\frac{240 \text{ s}}{23 \text{ ft}}$	$\frac{12 \text{ s}}{360 \text{ ft}}$	$\frac{22 \text{ s}}{240 \text{ ft}}$

**7** Convert this rate from minutes per foot to seconds per yard.

There are 1/3 yrd in every ft

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

<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>f</b>
$\frac{1080 \text{ s}}{11 \text{ yrd}}$	$\frac{1080 \text{ s}}{13 \text{ yrd}}$	$\frac{13 \text{ s}}{1260 \text{ yrd}}$	$\frac{1080 \text{ s}}{7 \text{ yrd}}$	$\frac{1260 \text{ s}}{12 \text{ yrd}}$	$\frac{7 \text{ s}}{1080 \text{ yrd}}$