mobius

Math worksheet on *'Units - Conversion (1 Ratio) - Word 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 feet per second to yards per second. There are 3 ft in every yrd

A beetle crawls 6/6 feet each second. How many yards does it crawl each second?

a $\frac{18}{6}\frac{yrd}{s}$	b $\frac{18}{8}\frac{yrd}{s}$
c $\frac{9}{18}\frac{yrd}{s}$	d $\frac{6}{22}\frac{yrd}{s}$
e $\frac{6}{18}\frac{yrd}{s}$	f $\frac{11}{18}\frac{yrd}{s}$

2

Convert this rate from feet per second to yards per second. There are 1/3 yrd in every ft

A beetle crawls 4/5 feet each second. How many yards does it crawl each second?

a $\frac{4}{15}\frac{yrd}{s}$	b $\frac{5}{12}\frac{yrd}{s}$
c $\frac{10}{15}\frac{yrd}{s}$	d $\frac{5}{18}\frac{yrd}{s}$
e $\frac{12}{5}\frac{yrd}{s}$	f $\frac{15}{4}\frac{yrd}{s}$

3

Convert this rate from seconds per foot to seconds per yard. There are 1/3 yrd in every ft

A beetle takes 4/3 seconds to crawl a foot. How long, in seconds, does it take to crawl a yard?

a $\frac{12}{8}\frac{s}{yrd}$	b $\frac{12}{3}\frac{s}{yrd}$
c $\frac{3}{12}\frac{s}{yrd}$	d $\frac{4}{9}\frac{s}{yrd}$
e $\frac{9}{4}\frac{s}{yrd}$	

4

Convert this rate from yards per second to feet per second. There are 3 ft in every yrd

An ant crawls 8/6 yards each second. What is its speed in feet per second?

a $\frac{6}{24}\frac{ft}{s}$	b $\frac{24}{6}\frac{ft}{s}$
c $\frac{8}{24}\frac{ft}{s}$	d $\frac{11}{24}\frac{ft}{s}$
e $\frac{30}{6}\frac{ft}{s}$	f $\frac{18}{8}\frac{ft}{s}$

5

Convert this rate from feet per second to yards per second. There are 1/3 yrd in every ft

A beetle crawls 4/4 feet each second. How many yards does it crawl each second?

a $\frac{4}{12}\frac{yrd}{s}$	b $\frac{4}{18}\frac{yrd}{s}$
c $\frac{12}{4}\frac{yrd}{s}$	d $\frac{14}{4}\frac{yrd}{s}$
e $\frac{12}{11}\frac{yrd}{s}$	f $\frac{10}{12}\frac{yrd}{s}$

6

Convert this rate from feet per second to yards per second. There are 3 ft in every yrd

A beetle crawls 5/5 feet each second. How many yards does it crawl each second?

a $\frac{10}{15}\frac{yrd}{s}$	b $\frac{15}{5}\frac{yrd}{s}$
c $\frac{15}{11}\frac{yrd}{s}$	d $\frac{5}{15}\frac{yrd}{s}$
e $\frac{5}{20}\frac{yrd}{s}$	

7

Convert this rate from seconds per yard to seconds per foot. There are 3 ft in every yrd

An ant takes 7/6 seconds to crawl a yard. How long, in seconds, does it take to crawl a foot?

a $\frac{25}{6}\frac{s}{ft}$	b $\frac{6}{21}\frac{s}{ft}$
c $\frac{18}{7}\frac{s}{ft}$	d $\frac{7}{18}\frac{s}{ft}$
e $\frac{21}{6}\frac{s}{ft}$	