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Math worksheet on *'Units - Conversion (1 Ratio) - Word 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

An ant takes 5/5 seconds to crawl a yard. How long, in seconds, does it take to crawl a foot?

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

a	b
$\times 3\dfrac{ft}{yrd}$	$\times\dfrac{1}{3}\dfrac{yrd}{ft}$

2

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

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

a	b
$\times 3\dfrac{ft}{yrd}$	$\times\dfrac{1}{60}\dfrac{min}{s}$
c $\times\dfrac{1}{3}\dfrac{yrd}{ft}$	

3

A beetle takes 3/5 seconds to crawl a foot. How long, in seconds, does it take to crawl a yard?

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

a	b
$\times\dfrac{1}{3}\dfrac{yrd}{ft}$	$\times 3\dfrac{ft}{yrd}$

4

A beetle takes 3/2 seconds to crawl a foot. How long, in seconds, does it take to crawl a yard?

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

a	b
$\times 60\dfrac{s}{min}$	$\times\dfrac{1}{60}\dfrac{min}{s}$
c $\times\dfrac{1}{3}\dfrac{yrd}{ft}$	d $\times 3\dfrac{ft}{yrd}$

5

An ant crawls 4/7 yards each second. What is its speed in feet per second?

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

a	b
$\times 3\dfrac{ft}{yrd}$	$\times\dfrac{1}{3}\dfrac{yrd}{ft}$

6

A beetle takes 6/8 seconds to crawl a foot. How long, in seconds, does it take to crawl a yard?

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

a	b
$\times 3\dfrac{ft}{yrd}$	$\times 60\dfrac{s}{min}$
c $\times\dfrac{1}{3}\dfrac{yrd}{ft}$	

7

An ant crawls 5/6 yards each second. What is its speed in feet per second?

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

a	b
$\times\dfrac{1}{3}\dfrac{yrd}{ft}$	$\times 60\dfrac{s}{min}$
c $\times 3\dfrac{ft}{yrd}$	