



Math worksheet on 'Units - Conversion (2 Ratios) - 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

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

An eagle dives at 2/3 yards per second. What is its dive speed in feet per minute?

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

2

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

A caterpillar takes 6/3 minutes to move a yard. How long, in seconds, does it take to move a foot?

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

3

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

A worm takes 4/5 minutes to move a foot. How long, in seconds, does it take to move a yard?

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

4

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

A caterpillar takes 4/8 minutes to move a yard. How long, in seconds, does it take to move a foot?

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

5

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

An eagle dives at 7/8 yards per second. What is its dive speed in feet per minute?

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

6

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

A worm takes 5/2 minutes to move a foot. How long, in seconds, does it take to move a yard?

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

7

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

A bird flies at 4/6 feet per second. What is its speed in yards per minute?

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