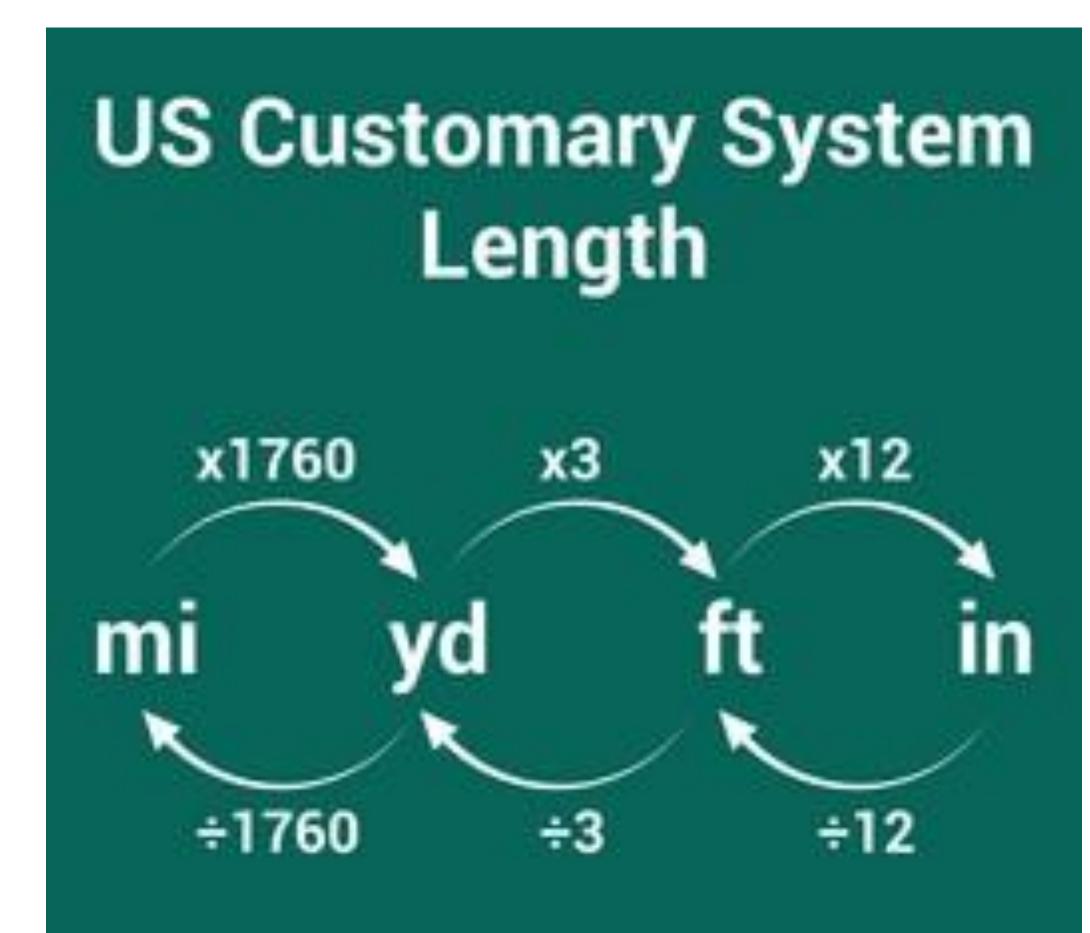
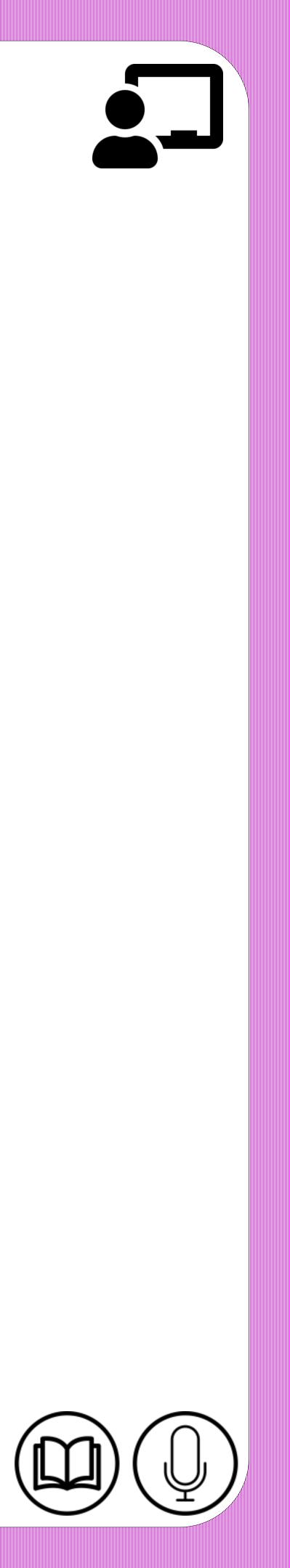


Compare and Convert Customary units of length











them up or down.

> The customary system is a system of measurement that uses the different units

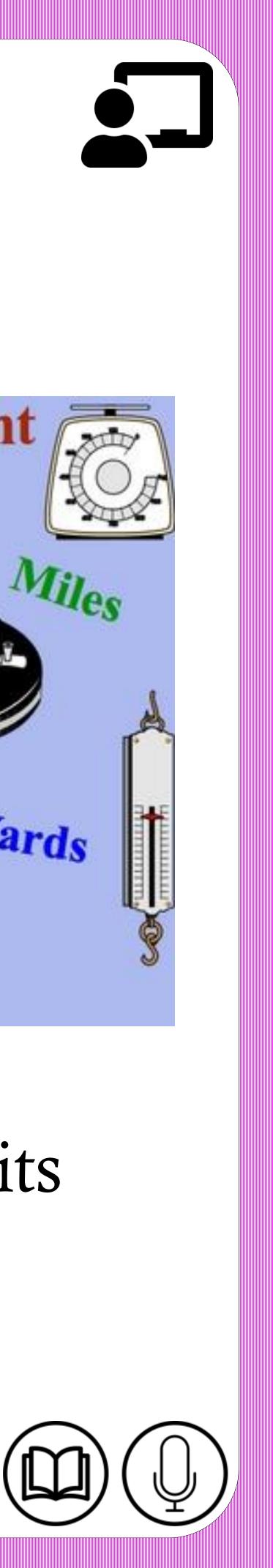
Compare and Convert customary units of length

- > To compare and convert customary units of length, you
 - need to know the relationship between different units and
 - how to use factors of multiplication or division to scale

such as the inches, foot, yard and the mile.









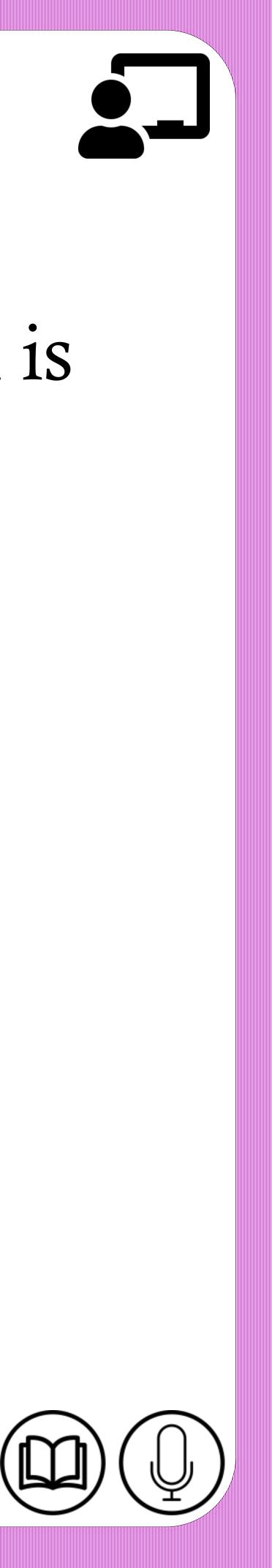
Customary units of length:

□ In the metric system, the SI unit of length is a meter which is

defined as follows:

Inches (in) 0 Foot (ft) 0 Yard (yd) 0 Mile (mi) 0







Converting Larger Units to Smaller Units: Converting Smaller Units to Larger Units:

\Box 1 foot = 12 inches

$\Box 1 \text{ yard} = 3 \text{ feet}$

$\Box 1 \text{ mile} = 5280 \text{ feet}$

$\Box 1 \text{ mile} = 1760 \text{ yards}$



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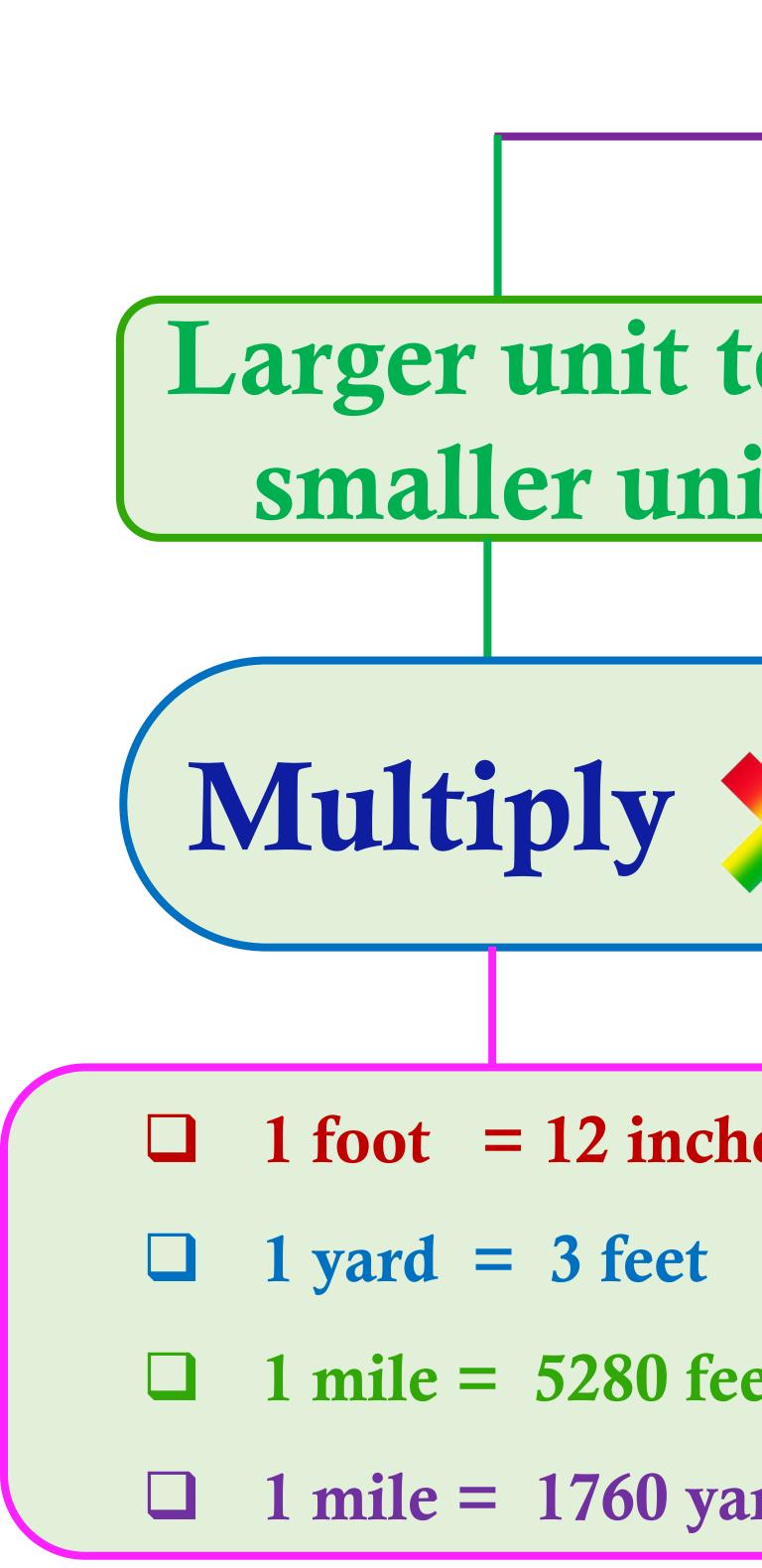


$\Box 1 \text{ inch} = \frac{1}{12} \text{ foot}$

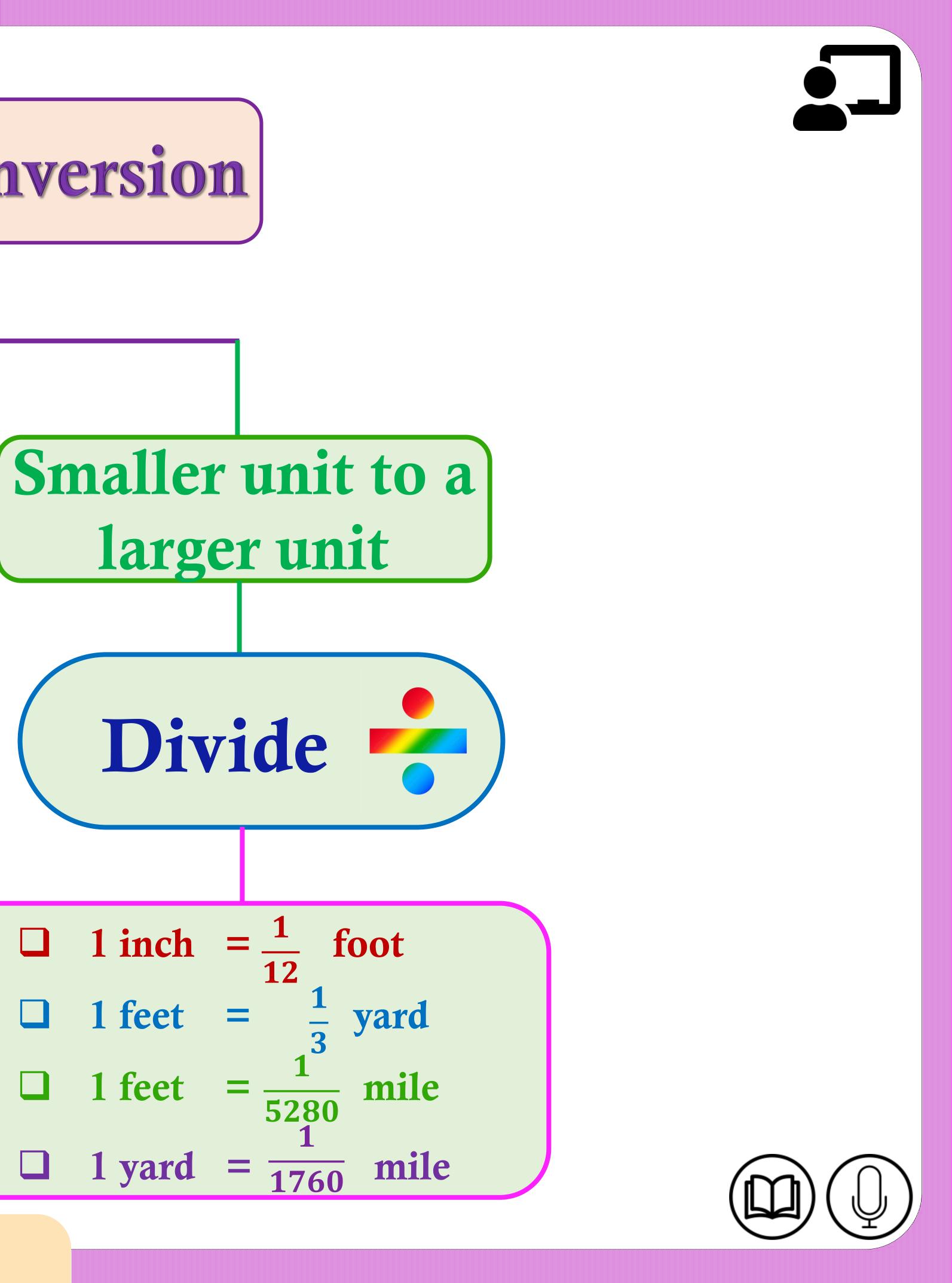
- $\Box 1 \text{ feet} = \frac{1}{3} \text{ yard}$
- $\Box 1 \text{ feet} = \frac{1}{5280} \text{ mile}$
- $\Box 1 \text{ yard} = \frac{1}{1760} \text{ mile}$

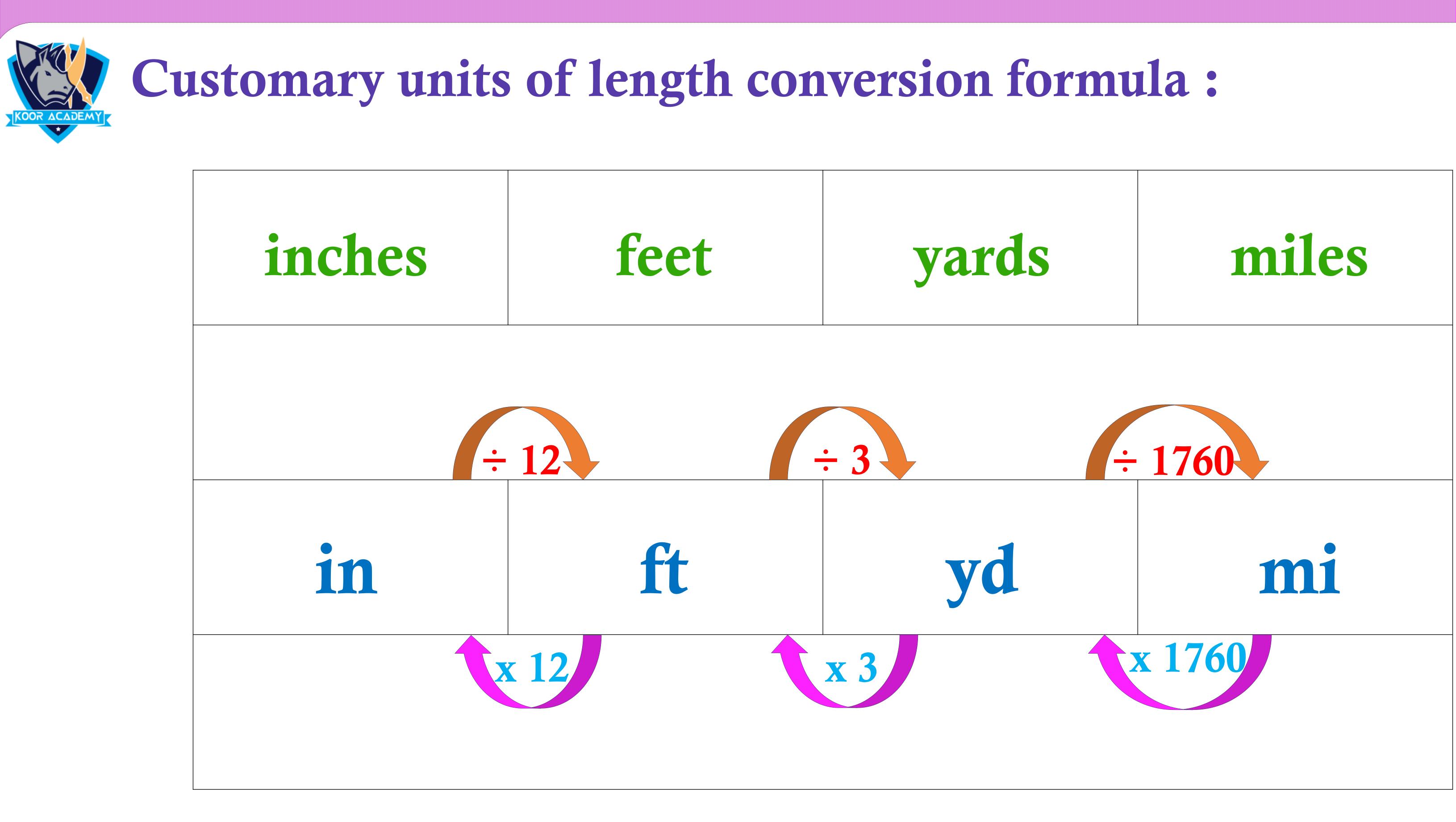




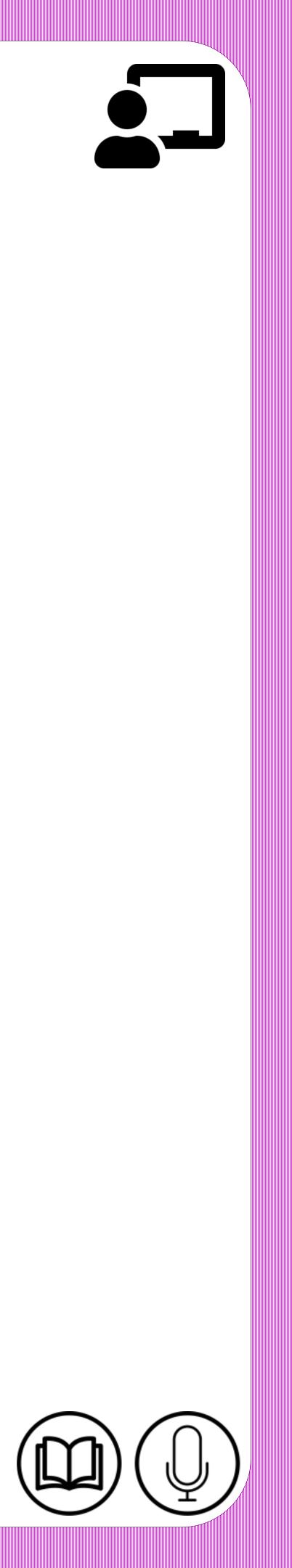


Customary units conversion Larger unit to a smaller unit 1 foot = 12 inches1 mile = 5280 feet1 mile = 1760 yards





06

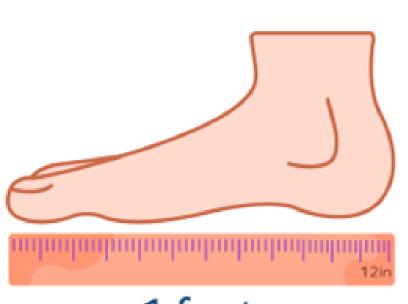




To convert 10 feet to inches.

Solution:

To convert a larger unit to a smaller unit, we need to multiply.



1 foot

1 foot = 12 inches

10 feet = ?

$10 \ge 12 = 120$ inches

So, there are 120 inches in 10 feet.

Example: 2

Solution:

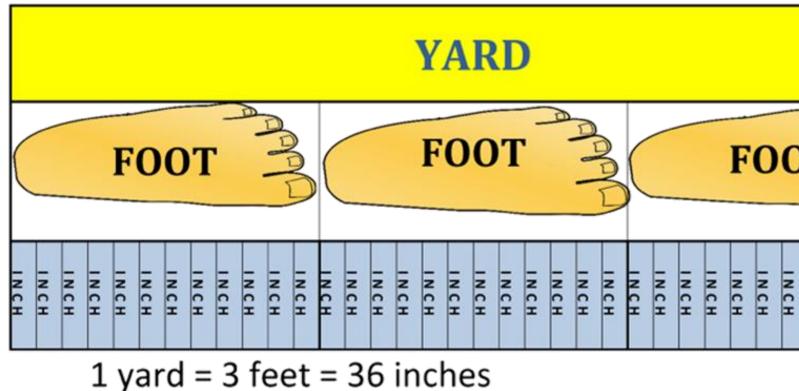
To convert a larger unit to a smaller unit, we need to multiply.

So, there are 99 feet in 33 yards.

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To convert 33 yards to feet.



= 3 feet vard

33 yards = ?

$33 \ge 3 = 99$ feet





To convert 2 miles to feet.



To convert a larger unit to a smaller unit, we need to multiply.





2 miles = ?

 $2 \ge 5280 = 10560$ feet

So, there are 10560 feet in 2 miles.

1 mile = 5280 feet

Example: 4

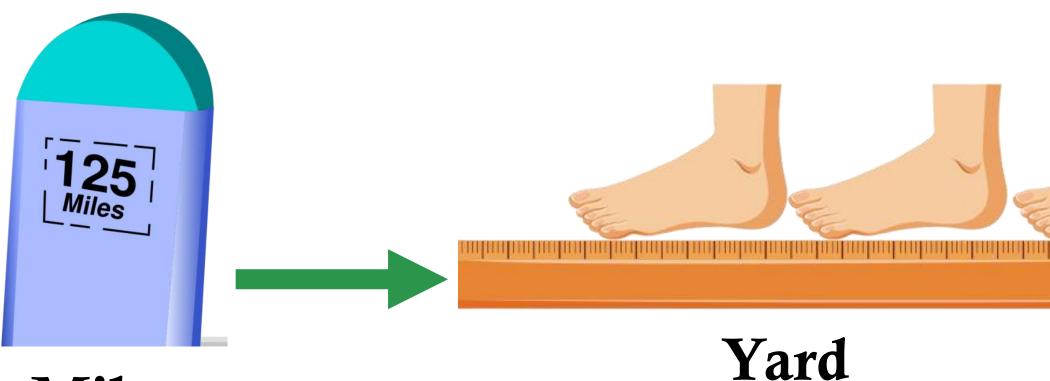
Solution:

Miles To convert a larger unit to a smaller unit, we need to multiply.

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To convert 5 miles to yards.

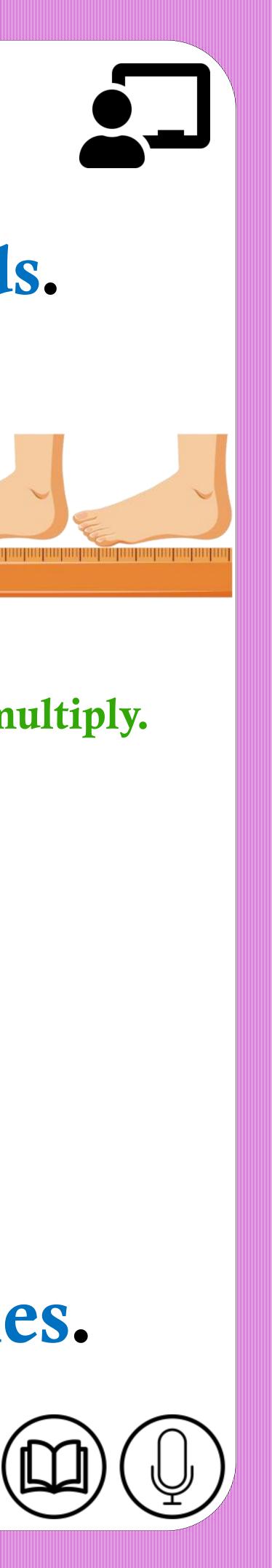


1 mile = 1760 yards

5 miles = ?

$5 \ge 1760 = 8800 \text{ yards}$

So, there are 8800 yards in 5 miles.

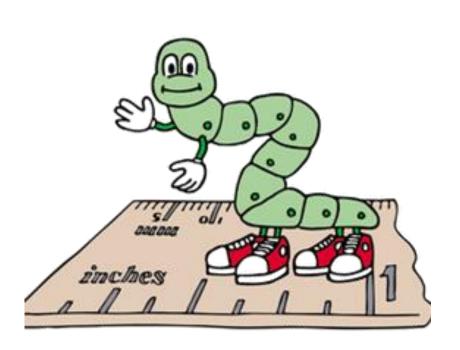


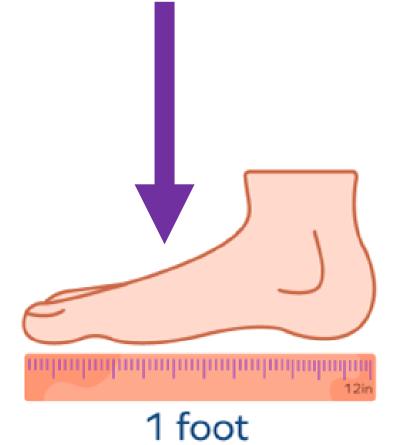


To convert 48 inches to feet.



To convert a smaller unit to a larger unit, we need to divide.







48 inches = ?

So, there are 4 feet in 48 inches.

 $1 \text{ inch} = \frac{1}{12} \text{ foot}$

 $48 \div 12 = 4$ feet

Solution:

 $1 \text{ feet} = \frac{1}{2} \text{ vards}$

So, there are 27 yards in 81 feet.

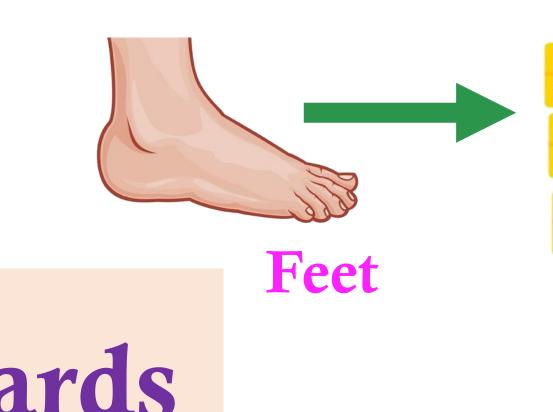
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Example: 6

To convert 81 feet to yards.

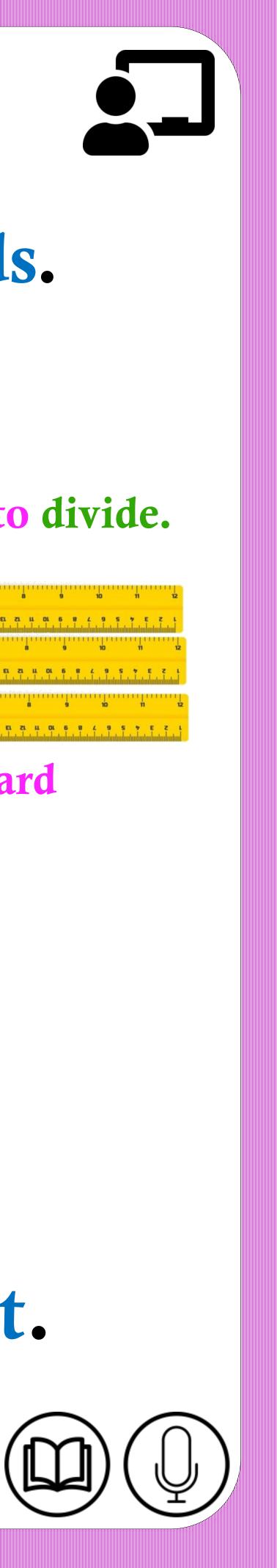
To convert a smaller unit to a larger unit, we need to divide.



Yard

81 feet = ?

$81 \div 3 = 27 \text{ yards}$

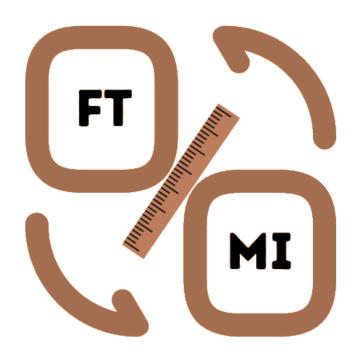


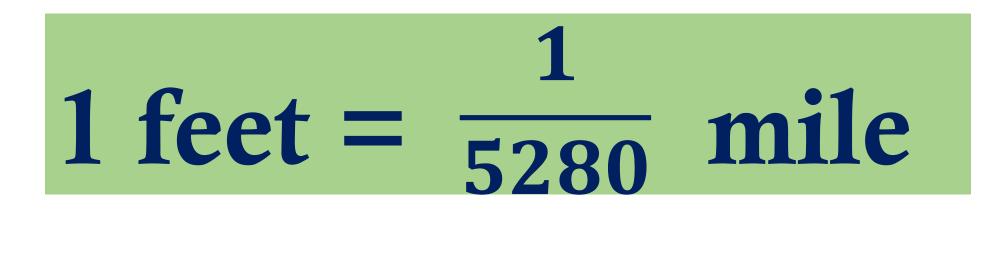


To convert 10560 feet to miles.

Solution:

To convert a smaller unit to a larger unit, we need to divide.





10560 feet = ?

$10560 \div 5280 = 2$ miles

So, there are 2 miles in 10560 feet.

Example: 8

Solution:



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To convert 7040 yards to miles.

To convert a smaller unit to a larger unit, we need to divide.

7040 yards = ?

$7040 \div 1760 = 4$ miles

So, there are 4 miles in 7040 yards.

