

Conversion Calculations

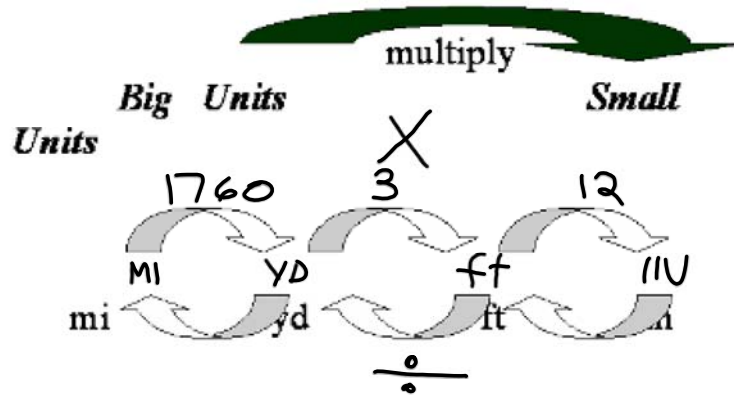
Big units → small units – always multiply
 Small units → big units – always divide.

Imperial

1 ft = 12 in

1 yd = 3 ft

1 mi = 1760 yd



divide

MILES TO INCHES

$.4 \times 1760 = 7040 \text{ yd}$

$7040 \times 3 = 21,120 \text{ ft}$

$21,120 \times 12 = \underline{253,440 \text{ in}}$

$6' 6'' \quad 6 \times 12 = 72 + 6 = 78 \text{ in}$

YOUTUBE: IMPERIAL MEASUREMENT'

(By THSS MATH)

Rules & # of ft into mi.

① where R U

② where R U Going?

③ Larger ÷

④ Smaller X

ft → **in**
(big → small)

1) 5 ft = ____ in.

2) 4.3 ft = ____ in.

3) 6 ft 5 in. = ____ in.

4) 74' 9" = ____ in.

ex mi to "

$$\# \text{ mi} \times 1760 = \underline{\text{ANS}} \times 3 = \underline{\text{ANS}}$$

$$\times 12 = \underline{\text{FINAL ANS}}$$

1) 58 in. = 4.8 ft
 $58 \div 12 =$

yd \rightarrow ft

1) 28 yd = 84 ft.
 $28 \times 3 =$

2) 34 yd 2 ft = 104 ft
 $34 \times 3 = 102 + 2 = 104$

yd \rightarrow in.

1) 5 yd = 180 in.
 $5 \times 3 = 15 \text{ ft} \times 12 =$

2) 8 yd = 288 in.
 $8 \times 3 = 24 \times 12 =$

in → yd

- 1) 100 in. = 2.8 yd
 $100 \div 12 = 8.3 \text{ ft} \div 3 = 2.77$
 $2.77 \times 3 = 8.31$
- 2) 58 in. = 1.6 yd
 $58 \div 12 = 4.8 \text{ ft}$
 $4.8 \div 3 = 1.6$

Finally

- 1) 3 mi. = 5280 yd.
 $3 \times 1760 = 5280$
- 2) 5 mi. = 26400 ft.
 $5 \times 1760 = 8800$
 $8800 \times 3 = 26400$
- 3) 10 000 ft = 1.9 mi.
 $10000 \div 3 = 3333.3 \text{ yds}$
 $3333.3 \div 1760 = 1.9$
- 4) 100 000 in. = 1.6 mi.
 $100000 \div 12 = 8333.3 \text{ ft} \div 3 = 2777.8 \text{ yds}$
 $2777.8 \div 1760 = 1.6$