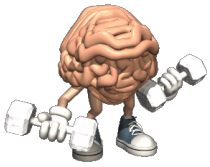
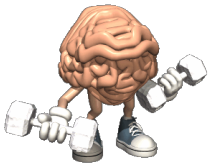


Warm Up



Convert each of the following:

a) 112 in = 9 ft 4 in

b) 18 ft = 216 in

c) 32 in = 2.8 ft

1ft = 12in
1yd = 3ft
1mi = 1760yd

$18\text{ft} \times \frac{12\text{ in}}{1\text{ ft}}$

$32\text{in} \times \frac{1\text{ ft}}{12\text{ in}}$

Convert each of the following:

1ft = 12in
1yd = 3ft
1mi = 1760yd

a) 112 in = _____ ft _____ in

b) 18 ft = _____ in

c) 3.2 mi = _____ inches

Let's try some more!

11 inch / 1 ft

Convert each of the following

a) 78 in = 6 ft 6 in

b) 15 ft = 180 in

15 ft × 12 in / 1 ft

~~c) 2.5 mi = ____ in~~

d) 250" = 20 ft 10 in

e) 500 yds = 1500 ft

500 yds × 3 ft / 1 yd

f) 7' 2" = 2 yd 1 ft 2 in

~~g) 1 000 000 in = ____ mi~~

16' 5" = 5 yd 1 ft 5 in

5 yd, 1 ft, 5 in

16 ft × 1 yd / 3 ft = 16/3 yd = 5 1/3 yd

Convert to Inches.

1) 6 feet $8\frac{1}{2}$ inches — $80\frac{1}{2}$ in

6 ft × 12 in / 1 ft = 72 in

2) 5 feet $2\frac{1}{2}$ inches — $62\frac{1}{2}$ in

3) 3 feet $11\frac{3}{8}$ inches — $47\frac{3}{8}$"

4) 2 feet $11\frac{7}{8}$ inches

5) 6 feet $4\frac{7}{8}$ inches

Convert to Feet and Inches.

1) 5ft 9 1/2 in — 69 1/2 inch

2) 7ft 1 3/8 " — 85 3/8 inch

3) 6ft 2 7/8 in — 74 7/8 inch

4) _____ — 62 3/8 inch

5) _____ — 69 3/4 inch

69"
-60" (5ft)
9"

84 (7ft)

74 7/8 in
72 (6ft)
2 7/8 in

Let's try some new ones...

1 ft = 12 in
1 yd = 3 ft
1 mi = 1760 yd
* 1 mi = 5280 ft

307400 yd to mi

$307400\ yd \times \frac{1\ mi}{1760\ yd} = 174.66\ mi$

6.64 yd to ft

$\frac{6.64\ yd}{1} \times \frac{3\ ft}{1\ yd} = 19.92\ ft$

9.6 mi to ft

$9.6\ mi \times \frac{1760\ yd}{1\ mi} \times \frac{3\ ft}{1\ yd} = 50688\ ft$

5 mi to ft

$5\ mi \times \frac{1760\ yd}{1\ mi} \times \frac{3\ ft}{1\ yd} = 26400\ ft$

43600 ft to mi

$43600\ ft \times \frac{1\ yd}{3\ ft} \times \frac{1\ mi}{1760\ yd} = 8.3\ mi$

43600 ÷ (3 x 1760)

76.7 yd to in

$76.7\ yd \times \frac{3\ ft}{1\ yd} \times \frac{12\ in}{1\ ft} = 2761.2\ in$

7 mi to in

$7\ mi \times \frac{5280\ ft}{1\ mi} \times \frac{12\ in}{1\ ft} = 443520\ in$

443680 in to mi

$7\ mi \times \frac{1760\ yd}{1\ mi} \times \frac{3\ ft}{1\ yd} \times \frac{12\ in}{1\ ft}$

Class/ Homework

Finish yesterday's sheet

6-10 on top and bottom section

1, 2, 3, 5, 6, 8, 9 on the back

~~1, 2, 4, 6, 7, 9, 11, 13, 14, 16 on general conversion sheet~~

Attachments

Worksheet - Converting Measurements.docx

Worksheet - Converting Imperial Lengths.docx

Worksheet2_ Inches to feet.pdf