

To convert between units

starting units \longrightarrow ending units

start \times conversion fraction = end

(ex.) Convert 120 seconds to minutes

sec \longrightarrow min

from conversion factors:

60 sec = 1 min.

$$\frac{120 \cancel{\text{sec}}}{1} \times \frac{1 \text{ min}}{60 \cancel{\text{sec}}} = 2 \text{ min.}$$

(ex.) I'm 65 in tall, how many feet?

in \longrightarrow ft

conv. factor: 12 in = 1 ft

$$65 \cancel{\text{in}} \times \frac{1 \text{ ft}}{12 \cancel{\text{in}}} = 5.4\bar{1}\bar{6} \text{ ft.}$$

2 You try one:

Convert 22 oz to lbs.

ans. 1.375 lb.

Try Another:

How many hours are there in
2.7 days?

ans. 64.8 hr