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Conversions: Length, Mass, Time

Length

5280 ft = 1 mile
3 ft = 1 yard
12 in = 1 ft
2.54 cm = 1 in
1609.34 m = 1 mile

Mass

2.20462 lbs = 1 kg
16 oz = 1 lb
2000 lbs = 1 ton
2204.62 lbs = 1 metric ton
1000 kg = 1 metric ton

Time

365 days = 1 year
24 hr = 1 day
60 min = 1 hr
60 s = 1 min
3600 s = 1 hr

A. Length

8 km = _____ ft
8 km = (8 x 10³ m) · (100 cm / m) · (1 in / 2.54 cm) · (1 ft / 12 in)
8 km = 2.62 x 10⁴ ft

B. Mass

500 lbs = _____ kg
500 lbs = (500 lbs) · (1 kg / 2.2046 lbs)
500 lbs = 227 kg

C. Time

7.45 x 10⁴ s = _____ hr
7.45 x 10⁴ s = (7.45 x 10⁴ s) · (1 hr / 3600 s)
7.45 x 10⁴ s = 20.7 hr