

## Question #1

How many cm are there in a  
regulation soccer pitch?  
(120 yds)

## Question #2

How many mL of apple juice  
does a company need to  
fulfill orders of 2.5 pallets?

## Question #3

How many milligrams are in a  
2 kg?

## Question #4

How many seconds are in a 2 years?

## Questions #5

How many kilometers are in a marathon? (1 marathon = 26.2 miles)

## Question #6

A typical locomotive weighs 40,000 tons. How many grams is this?

## **Question #7**

What is the speed of a car in feet/min that is traveling at 80 miles/hour?

## **Question #8**

A container hold 1.5 pounds.  
How many drams is this?



## Question #9

If a person blinks their eyes every 3 seconds on the average, then how many times do they blink their eyes a day?

## Question #10

Lets say there are 34 weeks in a school year. Using your knowledge of the school year, and Skyline Red/Gold Calendar, how many hours will spend in chemistry class?

## Question # 11

- If you have 1750 cans of soda, how many pallets would that fill?

## Question #12

- What is the weight of 5 gallons of water in pounds?  $1 \text{ lb} = 0.454 \text{ kg}$  and  $1 \text{ qt} = 0.946 \text{ Liter}$ .  $1 \text{ mL of Water} = 1 \text{ g}$ .

# Conversion Factors

- 1 pallet = 45 bundles
- 1 bundle = 32 cases
- 1 case = 24 cans
- 1 can = 218.4 mL
- 1 dram = 0.0625 oz
- 16 oz = 1 pound
- 2000 pound = 1 ton
- 1 oz = 16 drams
- 1 mile = 1.61 km
- 1 mile = 5,280 ft
- 4 quarts = 1 gallon
- 1 in = 2.54 cm
- 1 lb = 0.454 kg