## Nursing Drug dosage Calculations examples and explanation

1. Order: Ampicillin 500 mg po q4h

Available: Ampicillin 250 mg capsules

How many capsules will the client take per dose?

$$x = \frac{Desired\ dose}{Stock\ on\ Hand} \times Quantity\ or\ Volume$$

$$x = 500 mg/250 mg \times 1 Capsule$$

$$x = 2 \times 1$$
 Capsule

The Creative Preceive 2 capsules over a loss.

2. The prescriber ordered aceta temperature greater the concentration on a concentration. 2. The prescriber ordered acetaminophen 650 mg po every 6 hours as needed for a temperature greater than 38°C. The pharmacy has acetaminophen suspension with a concentration of 325 mg per tablespoon. If the client's temperature is 101°F, then how many mL will the client take at this time?

Convert: Farenheit to Celcius

To convert temperatures in degrees Fahrenheit to Celsius, subtract 32 and multiply by .5556 (or 5/9).

$$(101^{\circ}\mathbf{F} - 32) \times 5/9 = 38.333^{\circ}\mathbf{C}$$

Convert: 1 tablespoon to mL

## Let us use 15mL as the standard

United States tablespoon is approximately 14.8 ml (0.50 US fl oz), a United Kingdom and Canadian tablespoon is exactly 15 ml (0.51 US fl oz), and an Australian tablespoon is 20 ml (0.68 US fl oz).