

## Dosage Conversion Problem Worksheet and Key

1) The recommended dosage for a certain medication is 2.5 mg/kg. How many milligrams of the medication should a young adult weighing 84 kg receive?

Answer: 210 mg

2) A patient receives 375 mg of a medication every 6.0 hours. How many total grams of medication does the patient receive in 24 hours?

Answer: 1.5 g

3) If a Sodium Chloride (NaCl) solution contains 3 g of NaCl per 100 ml, how many g of NaCl are in 1 liter?

Answer: 30 g

4) An intravenous drip rate is observed to be 9 drops (exactly) every 30.0 seconds. How many drops will occur over a 10.0 minute period? If each drop contains 0.050 ml of liquid, how many ml of liquid are delivered over a 10.0 minute period?

Answer: 180. drops, 9.0 ml