MEDICAL MATH CALCULATIONS

1. What volume is required for an injection if 500mg are ordered and stock ampules contain 250mg/ml?
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2. What volume is required for an injection if 600mg are ordered and stock ampules contain 350mg/ml?
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3. What volume is required for an injection if 750mg are ordered and stock ampules contain 200mg/ml?
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4. A dose of 2g of medication has ordered for a patient. The medication comes in 4g/0.4mL. What volume will you give the patient?
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5. A dose of 4500mg of medication has ordered for a patient. The medication comes in 5g/0.3mL. What volume will you give the patient?
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6. A dose of 3500mg of medication has ordered for a patient. The medication comes in 5g/2mL. What volume will you give the patient?
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7. A flask of 1.5L of 0.9% saline is required over 8hrs with a DF of 20. How many DPM is this?
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8. A flask of 1L of 4% dextrose in saline is required over 6hrs with a DF of 15. How many DPM is this?
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9. A flask of 850mL of 0.9% saline is required over 12hrs with a DF of 60. How many DPM is this?
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10. A child weighs 13.5kg and is prescribed a medication for 0.8mg/kg/dose. The stock strength is 10mg/2mL. What volume will you give the patient?
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