

NURSING CALCULATIONS

Volume Required

Calculate the volume required

- 1 The ordered dose is 500mg IV. The stock strength is 1g in 10 mL.
- 2 Cefotaxime 0.4g IV is ordered. The stock strength is 500mg in 10mL.
- 3 Erythromycin 80mg is ordered. The stock strength is 100mg/2mL.
- 4 20mg morphine is due, with a ward stock of 5mg/2mL.
- 5 IV diazepam 7.5mg is ordered, with a stock strength of 10/2mL.
- 6 Amoxicillin 375mg is ordered with a stock strength of 125mg in 5mL.
- 7 A loading dose of digoxin 125mcg is ordered. Ward stock is 0.5mg/2mL.
- 8 Cortisone 70mg must be given stat. The stock strength was 125mg in 5mL.
- 9 Morphine 7.5mg is ordered IM 4/24. The stock strength was 10mg/1mL.
- 10 0.375g of a drug is ordered. The SS was 125mg in 2mL.
- 11 90mg of Cortisone is to be given stat. The WS is 250mg/10mL.
- 12 Amoxicillin 250mg PO is ordered with a SS of 1g in 10mL.
- 13 A drug of 400mg is ordered. SS is 1g in 3mL.
- 14 0.75g of a drug is ordered with a SS of 125mg/2mL.
- 15 Erythromycin 180mg is due. The WS is 300mg mixed with 10mL of water.
- 16 Maxalon 17mg IV 8 hourly PRN is ordered. Ward stock is 5mg/2mL.
- 17 Ondanestron 800mcg IV TDS is ordered. Ward stock is 2mg/4mL.
- 18 Diazepam 16mg is ordered. Ward stock is 20mg/4mL.
- 19 Digoxin 250mcg is ordered. Stock on hand is 1.5mg/12mL.
- 20 Ginodexan 125mcg is ordered. Stock on hand is 2mg/20mL.

Answers

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|---|-------|----|--------|----|-------|----|--------|
| 1 | 5mL | 7 | 0.5mL | 13 | 1.2mL | 19 | 2mL |
| 2 | 8mL | 8 | 2.8mL | 14 | 12mL | 20 | 1.25mL |
| 3 | 1.6mL | 9 | 0.75mL | 15 | 6mL | | |
| 4 | 8mL | 10 | 6mL | 16 | 6.8mL | | |
| 5 | 1.5mL | 11 | 3.6mL | 17 | 1.6mL | | |
| 6 | 15mL | 12 | 2.5mL | 18 | 3.2mL | | |