

Drug Calculation Exam Practice (Child) – Set B

- 1) Convert 21 mg to mcg
- 2) Convert 0.01299 litres to millilitres to one decimal place
- 3) Elizabeth is anxious before surgery and is prescribed oral chloral hydrate 280mg. The drug is available as an elixir containing 120mg in 4mL. How many ml do you give? Give your answer to 2 decimal places.
- 4) A child has been diagnosed with pneumonia and is prescribed 0.72g of Augmentin. Augmentin is dispensed as 1800mg in 30mL. How many ml would you give?
- 5) A child is prescribed erythromycin for a respiratory tract infection. The recommended dose is 32 mg/kg/day, in four divided doses. Calculate the size of a single dose (mg) if the child's weight is 13 kg.
- 6) A baby requires cefotaxime. The dosage is 40mg/Kg, the baby weighs 3.6kg. What is the correct dosage in mg?
- 7) A baby in heart failure is prescribed 8.5 micrograms of digoxin IV. It is available as 80 micrograms in 2ml. How many ml are given? Give your answer to 2 decimal places.
- 8) The nurse gives 5mL of ceftazadine 400mg in 4mL to treat Febee's osteomyelitis. How many mg were prescribed?
- 9) You are checking a prescription with your mentor for Tommy who weighs 13kg. He is prescribed 20mg/kg/dose of a drug intravenously 4 times a day. Each 200mg vial is reconstituted to 2mL. How many ml should be drawn up for each dose?
- 10) You are checking a prescription with your mentor for Sheila who weighs 12kg. He is prescribed 14mg/kg/dose of a drug intravenously 4 times a day. Each 250mg vial is reconstituted to 5mL. How many ml should be drawn up for each dose? Give your answer to 2 decimal place.