

## Drug Calculation Exam Practice (Child) – Set D

- 1) Convert 40000mcg to grams
- 2) Convert 0.78kilograms to grams
- 3) Mr Quin is allergic to penicillin. He is prescribed 175mg of metronidazole for a mouth infection. It is available as 400mg in 100 ml. How many ml do you give?
- 4) An asthmatic child is prescribed 65mg of theophylline syrup. Theophylline is dispensed as 50mg in 5 mL. How many ml do you need to draw up?
- 5) Kim weighs 24kg and is prescribed trimethoprim 14mg/kg/day to be given in equally divided 12 hourly doses. How many mg would you give in each dose?
- 6) Sean weighs 12.5kg. He is prescribed ibuprofen 10mg/kg. Stock is 100mg in 5mL. How many ml do you give?
- 7) The nurse gives 3.5ml of ceftazidime 400mg in 4ml IV to treat Jim's bone infection. How many mg were prescribed?
- 8) Kyle is prescribed oral chloral hydrate 270mg to sedate him following surgery. The drug is available as an elixir containing 200mg in 5mL. How many ml do you give? Give your answer to 2 decimal places.
- 9) You are checking a prescription with your mentor for Bobby who weighs 14kg. He is prescribed 27mg/kg/dose of a drug intravenously 4 times a day. Each 100mg vial is reconstituted to 6mL. How many ml should be drawn up for each dose? Give your answer to 2 decimal places.
- 10) You are checking a prescription with your mentor for Zenith who weighs 17kg. He is prescribed 46mg/kg/dose of a drug intravenously 3 times a day. Each 450mg vial is reconstituted to 3mL. How many ml should be drawn up for each dose? Give your answer to 2 decimal places.