Drug Calculation Exam Practice (Child) – Set C

1) Convert 3.45 kilograms to grams

2) Convert 310 millilitres to litres

3) Pamela is prescribed 0.065 g of amoxicillin for an ear infection. Amoxicillin is available as 75 mg in 3 mls. How many ml would you give?

4) Anthony is having an operation and is prescribed 0.25mg of Atropine as a pre-medication. Atropine is dispensed as 400mcg in 1mL. How many ml would you give?

5) Dan is diagnosed with pneumonia. He is prescribed cephalothin. The recommended dosage for cephalothin is 48mg/kg/day in 4 divided doses. Barry weighs 18kg, what should be the size of a single dose in mg?

6) Tom weighs 12.5 kg. He is prescribed cephalon 64mg/kg/day in 4 divided doses to control his epilepsy. What is the single dose in mg?

7) The nurse gives 4.5mL of morphine 15mg in 3mL to treat Chad’s pain. How many mg were prescribed?

8) Melisa is being treated for reflux. The dose for prescribing domperidone is 0.3 mg/kg. The doctor prescribes 1.6mg. How much does Trudy weigh in Kg (to the nearest whole number)?

9) You are checking a prescription with your mentor for Selina who weighs 12kg. She is prescribed 22mg/kg/dose of a drug intravenously 4 times a day. Each 100mg vial is reconstituted to 4mL. 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 Keen who weighs 21kg. He is prescribed 12mg/kg/dose of a drug intravenously 4 times a day. Each 450mg vial is reconstituted to 4mL. How many ml should be drawn up for each dose?