Pediatric Dosage Calculation Practice

An infant is prescribed DrugX 11 mg/kg. The infant weighs 3400 grams. The DrugX vial has a concentration of 200 mg/5 ml. How many ml will the nurse withdraw from the vial? Round to the nearest tenth.

An infant is prescribed 200 mg of DrugX. DrugX is available as 120 mg/5 ml. How many ml will the nurse withdraw from the vial? Round to the nearest tenth.

The nurse is going to administer 20 mg of DrugX mixed in 50 ml over 15 minutes. How many ml/hr will she set the pump at?

The nurse will give DrugX, 15 mg/kg, every 8 hours. The child weighs 20 kg. The nurse will calculate the dose to be how many mg every 8 hours?

The nurse will give DrugX, 22 mg/kg, every 8 hours. The child weighs 26 kg. The nurse will calculate the dose to be how many mg every 8 hours?

The nurse is going to administer 30 mg of DrugX mixed in 70 ml over 30 minutes. How many ml/hr will she set the pump at?

Range for DrugX: 30mg/kg/day in divided doses q 8-12 hours. Pt weight: 20 kg. What is an appropriate dose?

The nurse receives an order to administer 2 times the maintenance fluid requirement for a child. The child weighs 15 kg. The nurse will set the pump at how many ml per hour? Round to the nearest whole number.

The nurse will administer 35 mcg of Drug X every twelve hours. The child weighs 12 kg. The concentration of Drug X is 0.25 mg/ml. How many ml will the nurse administer? Round to nearest hundredth.

The nurse will administer Drug X. The recommended range is 150 mg – 200 mg/kg/24 hours in equally divided doses every 8-12 hours. The patient weighs 22 kg. Which answer is within the recommended range?

A 1100 mg every 12 hours

B 1450 mg every 8 hours

C 2250 mg every 12 hours

D 2500 mg every 8 hours