**Name: \_\_\_\_Paul Briery\_\_\_\_\_\_\_**

**Pediatric Dosage Calculation**

**Asthma Sim Remediation**

1. Order: Dicloxacillin Sodium 125 mg p.o. every 6 hours for a child who weighs 55 lb. The recommended dosage of dicloxacillin sodium for children weighing less than 40 kg is 12.5 to 25 mg/kg/day p.o. in equally divided doses every 6 hours for moderate to severe infection.
   1. Child’s weight: \_\_25\_\_ kg
   2. Recommended minimum daily dosage for this child: \_\_\_312.5\_\_\_\_ mg/day
   3. Recommended minimum single dosage for this child: \_\_78.1\_\_\_\_\_ mg/dose
   4. Recommended maximum daily dosage for this child: \_\_626\_\_\_\_\_ mg/day
   5. Recommended maximum single dosage for this child: \_156.3\_\_\_\_\_\_ mg/dose
   6. Is the dosage order safe? \_yes\_\_\_\_\_\_
2. Dicloxacillin sodium is available as an oral suspension of 62.5 mg per 5 mL. If the dosage order in question 1 is safe, how many mL would you give? \_\_10\_\_\_\_\_ mL. If it is not safe, explain why and describe what you should do. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Order: Chloromycetin 55 mg IV every 12 hours for an 8-day old infant who weighs 2200 g. The recommended dosage of Chloromycetin for neonates less than 2 kg is 25 mg/kg once daily, and for neonates more than 2 kg and older than 7 days of age is 50 mg/kg/day divided every 12 hours.
   1. Child’s weight: \_\_2.2\_\_\_\_\_\_ kg
   2. Recommended daily dosage for this child: \_\_110\_\_\_\_\_ mg/day
   3. Recommended single dosage for this child: \_\_55\_\_\_\_\_ mg/dose
   4. Is the dosage ordered safe? \_\_yes\_\_\_\_\_
4. Chloromycetin is available as a solution for injection of 1 g per 10 mL. If the dosage ordered in question 3 is safe, how many mL would you give? \_\_.6\_\_\_\_\_ mL. If it is not safe, explain why and describe what you should do.

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1. Order: Suprax 120 mg p.o. daily for a child who weighs 33 lb. The recommended dosage of Suprax for children who weigh less than 50 kg is 8 mg/kg p.o. once daily.
   1. Child’s weight: \_\_15\_\_\_\_\_ kg
   2. Recommended single dose for this child: \_120\_\_\_\_\_\_ mg/dose
   3. Is the dosage order safe? \_yes\_\_\_\_\_\_
2. Suprax is available as a suspension of 100 mg per 5 mL in a 50 mL bottle. If the dosage ordered in question 5 is safe, how many mL would you give? \_\_\_6\_\_\_\_ mL. If it is not safe, explain why and describe what you should do.

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1. Order: Panadol 480 mg p.o. every 4 hours PRN, temperature 101.6 F or greater. The child’s weight is 32 kg. The recommended child’s dosage of Panadol is 10 to 15 mg/kg/dose p.o. every 4 hours PRN for fever.
   1. Recommended minimum single dosage for this child: \_320\_ mg/dose
   2. Recommended maximum single dosage for this child: \_480\_\_\_ mg/dose
   3. Is the dosage order safe? \_\_yes\_\_\_\_\_
2. Panadol is available as a suspension of 160 mg per 5 mL. If the dosage ordered in question 7 is safe, how many mL would you give? \_\_15\_\_ mL. If it is not safe, explain why and describe what you should do.

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1. Order: Keflex 125 mg p.o. every 6 hours for a child who weighs 44 lb. The recommended pediatric dosage of Keflex is 25 to 50 mg/kg/day in 4 equally divided doses.
   1. Child’s weight: \_20\_\_\_\_\_\_ kg
   2. Recommended minimum daily dosage for this child: \_\_500\_\_\_\_\_ mg/day
   3. Recommended minimum single dosage for this child: \_125\_\_\_\_\_\_ mg/dose
   4. Recommended maximum daily dosage for this child: \_\_1000\_\_\_\_\_ mg/day
   5. Recommended maximum single dosage for this child: \_250\_\_\_\_\_\_ mg/dose
   6. Is the dosage ordered safe? yes
2. Keflex is available in a suspension of 125 mg per 5 mL. If the dosage ordered in question 9 is safe, how many mL would you give? \_\_\_5\_\_\_\_ mL. If it is not safe, explain why and describe what you should do.

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