Med Calc Review Quiz #3

Covert the following weights from pounds to kilograms. Round to the nearest tenth.

1. 15 lb = ______________________  4. 71 lb = ______________________
2. 68 lb = ______________________  5. 133 lb =____________________
3. 8 lb 4oz = ___________________  6. 5 lb. 12 oz =__________________

Convert the following weights from kilograms to pounds. Round to the nearest tenth.

1. 21.3 kg = ______________________  4. 34 kg =____________________
2. 17.7 kg=__________________  5. 71.4 kg=____________________
3. 22 kg =______________________  6. 73 kg =_____________________

1. Order: Gentamicin 50 mg IVPB q8h for a child weighing 40 lb.
   The recommended dosage for a child is 6 to 7.5 mg/kg/day divided q8h. Is the dosage ordered safe?
   a. What is the child’s weight in kg? _________________
   b. What is the lower daily limit of the safe range for a child of this weight?________
   c. What is the upper daily limit of the safe range?_____________________
   d. How much medication would this child receive in 24 hours?_______________
   e. Is the ordered dose within the safe range?________

2. Order: Dicloxacillin sodium 50 mg p.o. q6h for a child weighing 36 lb.
   The recommended dosage for dicloxacillin sodium for oral suspension is 12.5 mg/kg/day for children weighing less than 40 kg (88 lb) in equally divided doses q6h. How does the ordered dose compare to the recommended dose?
   ____________________________

3. Amoxicillin 150 mg p.o. q8h is ordered for an infant weighing 23 lb. The maximum daily dosage for an infant is amoxicillin p.o. 20 to 40 mg/kg/day divided q8h.
   Is the ordered dose safe?_______________
4. Furadantin oral suspension 25 mg p.o. q6h is ordered for a child weighing 17 kg. The recommended dosage is 2.2 to 3.2 mg/lb/day.

Is the dosage ordered safe?__________________________

5. Vibramycin 75 mg p.o. q12h is ordered for a child weighing 30 lb.
   The recommended dosage for a child under 100 lbs is 2 mg/lb of body weight daily divided in two doses on the first day, followed by 1 mg/lb of body weight on subsequent days in one or two doses.

Is the ordered dose safe?__________________________

6. The child's weight is 33 lb
   The safe dose range for this medication is 100 to 200 mcg/kg/day in divided doses
   The ordered dose is 0.5 mg t.i.d.
   Should the medication be given or clarified?__________________________

7. The child's weight is 5 lb
   The safe dose range for this medication is 10 to 20 mcg/kg/day
   The ordered dose is 0.03 mg q.i.d.
   Should the medication be given or clarified?__________________________

8. The child's weight is 85 lb
   The safe dose range for this medication is 10 to 15 mg/kg/day in 4 to 6 divided doses
   The ordered dose is 100 mg q6h
   Should this medication be given or clarified?__________________________