

Med Calc Review Quiz #3

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

1. 15 lb = _____
2. 68 lb = _____
3. 8 lb 4oz = _____
4. 71 lb = _____
5. 133 lb = _____
6. 5 lb. 12 oz = _____

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

1. 21.3 kg = _____
2. 17.7 kg = _____
3. 22 kg = _____
4. 34 kg = _____
5. 71.4 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? _____