

Medication Calculation Review Questions

1. WT: 11lbs.

Order: Ceftazidime 200 mg IV q8^o

Reference: 30-50 mg/kg/dose q8^o

Vial: 75 mg/ml

How much would you give?

2. WT: 3 kgs.

Order: Cefuroxime 300 mg IV tid

Reference: 75-150 mg/kg/day divided every 8 hours

Vial: 100 mg/ml

You would give:

- a) 5 mls
- b) 0.75 mls
- c) 1.5 mls
- d) none of the above

3. WT: 4 kgs.

Order: Ampicillin 250 mg IV q6^o

Reference: 100-200 mg/kg/day in 4 divided doses

Vial: 50 mg/ml

You would give:

- a) 5 mls
- b) 2.5 mls
- c) 1.25 mls
- d) none of the above

4. WT: 21 kgs.

Temp. 103.1^oR

Order: Tylenol 280 mg q4^o prn T. greater than 101

Reference: 10-15 mg/kg/dose every 4 hours as needed

Bottle: 160 mg/ 5 ml

How much would you give?

5. WT: 4 kgs.

Order: Penicillin G Potassium 100,000 units IV qid

Reference: 100,000-250,000 units/kg/day in divided doses every 6 hours

Bottle: when diluted, 100,000 units/ml

You would give: a) 1 ml
 b) 4 ml
 c) 6 ml
 d) none of the above

6. WT: 6kgs

Order: Ibuprofen 50 mg po q4^o prn T. greater than 101

Reference: 5-10 mg/kg/dose (max. 40 mg/kg/day)

Bottle: 100 mg/ 5ml

You would give: a) 5 ml
 b) 2.5 ml
 c) 7.5 ml
 d) 3.75 ml

7. WT: 12 kgs.

Order: amoxicillin 30 mg po tid

Reference: 20-40 mg/kg/day in divided doses every 8 hours

Bottle: 125 mg/ 5 ml

How much would you give?

8. WT: 17.6 lbs,

Order: Aminophylline 48 mg IV q 12^o

Reference: 12 mg/kg/24^o

Vial: 25 mg/ml

How much would you give?

9. WT: 6 kgs.

Order: Gentamicin 15 mg IV bid

Reference: 2.5 mg/kg/dose q 12^o

Vial: 10 mg/ml

You would give: a) 6 mls
 b) 3 mls
 c) 1.5 mls
 d) none of the above

10. WT: 12 kgs.

Order: Benadryl 15 mg IV qid

Reference: 5 mg/kg/day in divided doses every 6 hours

Vial: 50 mg/ml

How much would you give?