

Henke Med Math: Ticket to enter clinical orientation

**Henke's Med-Math Dosage Calculation Assignments**

The following assignments must be completed prior to <u>sitting for</u> Drug Calculation Exam #1. Failure to complete these assignments prior to Drug Calculation Exam #1 will result in a score of zero (0).	
Chapter	Assignment
Chapter 4: Calculation of Oral Medications: Solids and Liquids	1. Self-Test 1
Chapter 5: Liquids for Injection	2. Proficiency Test 1
Chapter 8: Dosage problems for infants and children	3. Self-Test 2

## Chapter 4: Self-Test 1

1. 2 tablets ✓
2. 0.5 tablet ✓
3. 2 capsules ✓
4. 4 tablets ✓
5. 2 tablets ✓
6. 2 capsules ✓
7. 4 tablets ✓
8. 0.5 tablet ✓
9. 2 tablets ✓
10. 1.5 tablets ✓
11. 1.5 tablets ✓
12. 3 tablets ✓
13. 0.25 tablet ✓
14. 2 tablets ✓
15. 1.5 tablets ✓
16. 0.5 tablet ✓
17. 2 tablets ✓
18. 1.5 tablets ✓

19. 2 tablets -0.5 capsules  
 20. 2.5 tablets ✓

Chapter 5: Proficiency Test 1			
1.	1.5 ml	✓	
2.	0.33 ml	✓	
3.	1 ml	✓	
4.	20 units	✓	
5.	1 ml	x	10 ml
6.	1.5 ml	✓	
7.	2 ml	✓	
8.	2 ml	✓	
9.	0.8 ml	✓	
10.	0.75 ml	✓	
11.	2 ml	✓	
12.	0.5 ml	✓	
13.	2 ml	✓	
14.	0.25 ml	✓	
15.	2 ml	✓	

Chapter 8: Self-Test 2		
1.	The dose is safe. Lowest dose: 60.6 mg/Highest dose 121.2 mg. Give 2.4 ml PO q8h. Weight in kg = 9.09	✓
2.	Weight in kg = 13.18/ dose/day = 527.2 mg/3 = 175.7 mg per dose, the dose is safe. Give 7 ml PO q8h.	✓
3.	the dose is safe. Give 8 ml PO tid	✓
4.	The max dose per day= 1600 mg. The order is safe = 480 mg/day. Give 1 tablet po q4h prn for temp 100.9°F and above.	-0.5
5.	the order is safe. The child can receive 3mg-10mg per day. The order is 6mg-8mg/day. The nurse should give 0.2 ml per dose.	-0.5
6.	The dose is between 0.7 mg - 2.8 mg/kg, so it is safe. The nurse should give 1ml subcutaneous q3-4h for pain.	✓
7.	The dose is safe because it is between 3mg-6mg and not more than 4 times/day. Give 5 ml po q6h.	✓
8.	Weight in kg= 21.82/ the dose is low because it is 2000mg/day when the lowest dose should be at least between 2182 mg- 4364 mg/day. Contact the provider.	✓
9.	The dose is safe because it is not more than 500 mg/dose. Give 15 ml (the whole bottle).	✓
10.	Weight in kg = 5.68 kg/The dose is too high per weight. It should be between 11.36 mg - 22.72 mg/dose. Check with the doctor.	✓