

## Answer Key for Medication Calculation Quizzes

### Med Calc Quiz #1

- |              |                                      |  |
|--------------|--------------------------------------|--|
| 1. 3 tablets | 6. 8 mL                              | 11. 90 tablets   |
| 2. 1 tablet  | 7. 1-20 mg tablet and 1-10 mg tablet | 12. 1-125 microgram tablet and<br>1- 250 microgram tab |
| 3. 2 mL      | 8. 3-40 mg tablets                   | 13. 0.4 mL   |
| 4. 15 mL     | 9. 6 mL                              | 14. 7.5 mL   |
| 5. ½ tablet  | 10. 2 tablets                        | 15. 2 ½ tablets  |

### Med Calc Quiz #2

- |           |                       |   |
|-----------|-----------------------|---|
| 1. 2 mL   | 7. 0.8 mL, 360 mg     | 13. 0.5 mL  |
| 2. 0.4 mL | 8. 10 mg or 0.1 mL    | 14. 0.25 mL   |
| 3. 0.8 mL | 9. 1.5 mL             | 15. 0.8 mL (or 7.5 mL if using<br>a tuberculin syringe) |
| 4. 1.6 mL | 10. 3 mL              |   |
| 5. 0.5 mL | 11. 2.3 mL            |   |
| 6. 3.2 mL | 12. 0.58 mL, 14 vials |   |

### Med Calc Quiz #3

- |            |             |
|------------|-------------|
| 1. 6.8 kg  | 1. 46.9 lb  |
| 2. 30.9 kg | 2. 38.9 lb  |
| 3. 3.8 kg  | 3. 48.4 lb  |
| 4. 32.3 kg | 4. 74.8 lb  |
| 5. 60.5 kg | 5. 157.1 lb |
| 6. 2.6 kg  | 6. 160.6 lb |

1. a) 18.2 kg b) 109.2 mg c) 136.5 mg d) 150 mg e) no, physician should be called to verify the order
2. It is less than the recommended dose and should be confirmed with the person who wrote the order
3. No, it is too high
4. Yes
5. No, it is too high
6. Give
7. Dose is over the safe dose range; hold the med and clarify
8. Give

### Med Calc Quiz #4

- |                 |                  |
|-----------------|------------------|
| 1. 125 mL/hr    | 6. 38 gtts/min   |
| 2. 100 mL/hr    | 7. 10 gtts/min   |
| 3. 17 gtts/min  | 8. 31 gtts/min   |
| 4. 150 gtts/min | 9. 26 gtts/min   |
| 5. 42 gtts/min  | 10. 300 gtts/min |

### Med Calc Quiz #5

1. a) 1.3 mL b) 18.7 mL c) 4 mL/min d) 1 mL
2. a) 0.75 mL b) 1 ½ min.
3. a) 1.6 mg b) No
4. No
5. 600 units/hr
6. 17 mL/hr
7. 40 mL/hr
8. 1000 units/hr
9. a) 6400 units b) 1440 units/hr c) 72 mL/hr

Med Calc Quiz #6

- |      |       |
|------|-------|
| 1. c | 6. d  |
| 2. d | 7. a  |
| 3. d | 8. c  |
| 4. b | 9. c  |
| 5. d | 10. d |

Med Calc Quiz #7

- 2 mg/hr; 33.3 micrograms/min; 0.5 mcg/kg/min
- 7500 micrograms; 125 micrograms/min; 2.5 micrograms/kg/min
- 2000 micrograms; 33.3 micrograms/min; 0.6 micrograms/kg/min
- 11.1 micrograms/kg/min
- a) 100-200 micrograms/min b) yes c) 12,000 micrograms/hr d) 12 mg/hr e) 15 mL/hr
- a) 18,000 micrograms/hr b) 18 mg/hr c) 18 mL/hr d) no
- a) 240 mg/hr b) 120 mL/hr
- a) 75 mL/hr
- The dose is too low; consult the physician
- 3.4 micrograms/kg/min