Practice Questions

1. Answer: yes
    350 mg/25 mL= 14 mg/mL
    This falls between the recommended range of 10-40 mg/mL

2. 18 mg/10 mL= 1.8 mg/mL
    Answer: 1.8 mg/mL

3. Answer: B
    Range is 6,000 mg-9,000 mg
    6 x 1,200 mg= 7,200 mg

4. Answer: yes
    The 1,000 mg falls between 1,000 mg and 1,500 mg and does not exceed 2,000 mg

5. Answer: yes
    700 mg x 2= 1,400 mg
    The 1,400 mg falls between 1,000 mg and 1,500 mg and does not exceed 2,000 mg

6. Answer: B
    40 mg x 30 kg= 1,200 mg
    400 mg x 3= 1,200 mg

7. Answer: 50 mL/hr
    25 mL x 60 gtt / 30 min = 50 mL/hr

Additional practice problems

1. Answer: The recommended range is 260 mg to 292.5 mg every 12 hours. The nurse will
    administer 5.5 ml of amoxicillin every 12 hours.
    6.5 kg x 80 mg / 2= 260
    6.5 kg x 90 mg / 2= 292.5
    275 mg / 250 mg x 5 mL= 5.5mL

2. Answer: C
    1.1 g x 2 = 2.2 g
    This exceeds the total dose of 2 g

3. Answer: A
    40 mg x 16 kg = 640 mg
    640 mg/ 25 mL = 25.6 mg/mL which falls between 2.5 to 50 mg/mL
    25 mL x 60 gtt / 30 min = 50 ml/hr

4. Answer: C
    50 mL x 60 gtt / 20 min = 150 mL/hr

50 mL x 60 gtt / 30 min = 100 mL/hr