Autumn Ford

Medication math practice

1. 350mg/25mL= 14 mg/mL, yes dilution is in recommended range
2. 18mg/10mL= 1.8mg/mL
3. 200x30=6000, 300x30=9000 :6000-9000 mg/24hrs
   1000-1500 mg/q 4hrs
   1500-2250mg/q 6hrs
   Answer is B 1200 mg q 4hrs
4. 50x20=1000 mg, 75x20=1500 mg, 1000-1500mg/daily
   Yes, it is in prescribed range
5. (50x20)/2=500mg, (75x20)/2=750mg
   Yes, it is in the prescribed range
6. 40x30+1200mg/day, 300mg/q 6, 400mg/q 8, 600mg/ q 12
   Answer B: 400mg q 8 hrs
7. 25/0.5= 50mL/hr

Additional practice problems

1. (80x6.5)/2=260mg, (90x6.5)/2=292.5mg
   Range: 260mg-292.5mg q 12
   Nurse will admin 275 mg/ q 12
2. 25x15=375mg, 27.5x15=562.5mg: 375-562.5mg/q 12 hrs range
   Answer C: contact provider regarding dose exceeding recommended range
3. 640/25=25.6mg/mL: concentration
   16x40=640 mg q 8 hrs
   25 mL/30min=50mL/hr
   Answer: administer medication at 50mL/hr
4. 50/20=150mL/hr, 50/30=100mL/hr
   Answer C: 100