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CSON- IM 5
Math Packet
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1. 350 mg/25 mL= 14 mg/ mL. Yes it is in the recommended range.
2. 18 mg/ 10 mL = 1.8 mg/ mL.
3. 200 mg * 30 kg = 6000 mg/ day; 300 mg * 30 kg = 900 mg/ day —> B. 1,200 mg every 4 hours because 1,200 mg X 4 hours = 7,200 mg/day.
4. 50 mg * 20 kg * 24 hours = 1000 mg/ day; 75 mg * 20 kg * 24 hours = 1500 mg/ day —> 1 gm - 1.5 gm —> YES
5. 50 mg * 20 kg * 24 hours = 1000 mg/ day; 75 mg * 20 kg * 24 hours= 1500 mg/ day; 700 mg * 2= 1400 mg > 1 g-1.5 g —> YES
6. 40 mg * 30 kg = 1200 mg/ day —> B. every 8 hours give 400 mg —> 24 hours = 3 times * 400 mg = 1200 mg/day
7. 25 mL / 30 min * 60 = 50 mL/ hour
8. 80 mg * 6.5 kg = 520 mg/ day = 260 mg / 12 hours ; 90 mg * 6.5 kg = 585 mg/ day = 292.5 mg/ 12 hours ; 5.5 mL every 12 hours.
9. 25 mg * 15 kg * 12 hours = 375 mg/ 12 hours; 27.5 mg * 15 kg * 12 hours = 412.5 mg/ 12 hours —> C. contact the PCP regarding a dose exceeding the recommended range.
10. 640 mg/ 25 = A. administer the medication at 50 mL/ hour.
11. 50 mL/ 20 * 3 = 150 mL/ 60 min; 50 mL/ 30 min * 2 = C. 100 mL/ 60 min.