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<p style="text-align:center">Peds Med Math</p>

1. ==Yes- 14 is within the recommended range of 10-40 mg per mL== 350/25= 14

2. ==1.8 mg per mL==.   18/10= 1.8

3. ==B (1200 mg every 4 hrs)== the therapeutic range is 6000-9000 with the HCP order the patient will recive 7200 mg/day which falls under the therapeutic range.

4. ==Yes.== The recommended dose for the patient is 1000-1500mg and the HCP ordered 1000mg. 50x20=1000   75x20=1500

5. ==Yes.== The recommended dose for the patient is 1000-1500mg and the HCP ordered 700mg BID which is a total of 1400 which falls in the range.

6. ==B (400mg every 8hr)== the amount the patient needs to receive is 1200. 40x30=1200 400x3=1200

7. ==50mL/hr== (25x2=50)

Additional practice problems:

1. ==The recommended range is 260mg-292.5mg every 12 hr==

    6.5x80= 520   6.5x90= 585   520/2=260   585/2=292.5

    ==The nurse will administer 5.5 mL every 12 hrs==

    275mg/250mg= 1.1

    1.1x5mL= 5.5mL

2. ==C (Contact HCP dose exceeds rec range)== :the 24 hr dose total would be 2.2 grams and that is above the 2g/24hrs range

3.==A (admin at 50ml/hr)== :you would set your pump to 50mg/hr since you want 25 to infuse in 30 min

4. ==C (100 mL/hr):== You want 50 mL to be given over 30 min so you will set your pump to 100ml/hr