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Additional Practice Problems

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1) the recommended range is <u>260</u> mg to <u>292.5</u>
   every 12 hours

   the nurse will administer <u>5.5</u> mL of
   Amoxicillin every 12 hours
   $$275/50 = 5.5$$

toddler is 6.5 kg
prescribed med: 275 mg Amoxicillin @ 12 hrs

recommended dose: 80 to 90 mg/kg/day
       divided @ 12 hrs
$6.5 \times 80 = 520 \div 2$ $6.5 \times 90 = 585 \div 2$
concentration of suspension: Amoxicillin 250 mg/5mL
       $250 \div 5 = 50$

2) 15 kg = patient   Ⓒ

$1.1 \times 2 = 2.2$ grams is exceeding 2 GMS/24hr

3) 16 kg = child
   prescribed med = 640 mg Q 8hr = 1,920

   $$\frac{25mL \times 60m}{30 min} = 50 mL/h \qquad \frac{25mL \times 60}{15 min} = 100 \, mL/hr$$
   $640 \div 25 = 25.6 = $ concent.
   Ⓐ administer the med at 50 mL/hr

4) $\dfrac{50 \times 60}{20}$ = 150 mL/hr
   min.

   $\dfrac{50 \times 60}{30}$ = 100 mL/hr
   max.