Practice Question #1

$\frac{350mg}{25mL} = 14mg/mL$

range 10mg - 40mg/mL

YES

Practice Question #2

$\frac{18mg}{10mL} = 1.8mg/mL$

Practice Question #3

200 - 300mg/kg/24hrs

30kg

200 x 30 200x30

6,000 - 9,000 in 24hrs

6000 ÷ 4 9000÷4

1500 - 2250 in 6hrs

6000÷6 9000÷6

1000 - 1500 in 4hrs

B. 1,200 every 4hrs

Practice Question #4

range 50-75mg/kg

20kg

50 x 20 75 x 20

1000 - 1500 in 24hrs

prescribed 1000mg daily

YES

Practice Question #5

range 50-75mg/kg 20kg

50 x 20 75x20

1000 - 1500 in 24hrs YES

prescribed 700 BID or 1400 daily

Practice Question #6

range 40mg/kg/24hrs

30kg

40 x 30 = 1200mg/24hrs

1200 ÷ 4 = 300mg/6hrs

1200 ÷ 3 = 400mg/8hrs

1200 ÷ 2 = 600mg/12hrs

B

Practice Question #7

$\frac{V}{T} = \frac{25mL}{0.5hr} = 50mL/hr$

Additional Practice #1

range 80-90mg/kg/day

6.5kg

80 x 6.5 90 x 65

$\frac{520 - 585}{2}$ in 24hrs

* 260 - 292.5 in 12hrs

$\frac{250mg}{5mL} \frac{275mg}{x}$

$\frac{250x}{250} = \frac{1375}{250}$

* x = 5.5mL

Additional Practice #2

range 50-75mg/kg

15kg

50 x 15 75 x 15

750 - 1125 in 24hrs

C. contact provider for exceeding range

Additional Practice #3

40mg/kg every 8hrs

16kg

40 x 16

640 mg every 8hrs

$\frac{25mL}{0.5hr} = 50mL/hr$

A

Additional Practice #4

$\frac{50mL}{0.5hr} = 100mL/hr$

C