

Medication MATH PracticePractice Question #1

$$350 \text{ mg} \div 25 \text{ mL} = 14 \text{ mg}$$

yes it does

Practice Question #2

$$18 \text{ mg} \div 10 \text{ mL} = 1.8 \text{ mg}$$
 is the concentration

Practice Question #3

$$200 \text{ mg} \times 30 \text{ kg} = 6,000 \text{ mg} > 24 \text{ hrs}$$

$$300 \text{ mg} \times 30 \text{ kg} = 9,000 \text{ mg}$$

$$1,200 \times 6 = 7,200 \text{ mg} / 24 \text{ hrs} = \text{B. } 1,200 \text{ mg}$$

↳ 4 doses

every 4 hrs

Practice Question #4

$$20 \text{ kg} \times 50 \text{ mg} = 1,000$$

$$20 \text{ kg} \times 75 \text{ mg} = 1,500$$

prescribed med: 1,000 mg

yes, it's in the  
recommended  
range

### Practice question #5

$$50 \text{ mg} \times 20 \text{ kg} = 1,000$$

$$75 \text{ mg} \times 20 \text{ kg} = 1,500$$

.700 falls between  
range

$$1,000 \text{ mg} \div 2 = 500 \text{ mg} / 12 \text{ hr}$$

$$1,500 \text{ mg} \div 2 = 750 \text{ mg} / 12 \text{ hr}$$

yes, the medication is  
within the recommended  
range

### practice question #6

$$30 \text{ kg} \times 40 \text{ mg} = 1200 \text{ mg} / 24 \text{ hr}$$

$$24 \div 6 = 4 \times 200 = 800$$

$$24 \div 8 = 3 \times 400 = 1200$$

$$24 \div 12 = 2 \times 100 = 200$$

B. 400mg every 8hrs.

### practice question #7

$$\frac{25 \text{ mL} \times 60 \text{ gtt/mL}}{30 \text{ min.}} = \frac{1,500}{30}$$

30 min.

30

$$= 50 \text{ mL/hr}$$