

## Pediatric Medication Practice Problems

### Converting Pounds to Kilograms

1. 30 lb = \_\_\_\_\_
2. 15 lb 5 oz = \_\_\_\_\_
3. 7 ¼ lb = \_\_\_\_\_
4. 22 lb = \_\_\_\_\_
5. 4 lb 5 oz = \_\_\_\_\_
6. 75 lb = \_\_\_\_\_
7. 10 ½ lbs = \_\_\_\_\_

Answers:

1. 13.63 kg   2. 15.31 lb = 6.95 kg   3. 7.25 lb = 3.29 kg   4. 10 kg  
5. 4.31 lb = 1.95 kg   6. 34.09 kg   7. 6.5 lb or 2.95 kg

**NOTE DO NOT ROUND OR YOUR ANSWER WILL BE MARKED WRONG**

#### **Problem 1**

Child weighs 33 lbs

Physician order: Augmentin 150 mg po q 8 hours

Information from drug guide: children  $\leq 40$  kg receive 6.7 to 13.3 mg/kg q 8 hours

Convert 33 lbs to kg \_\_\_\_\_

Calculate low and high dose \_\_\_\_\_ low dose \_\_\_\_\_ high dose

Is the dose in the safe range? \_\_\_\_\_

The medication comes Augmentin 125 mg / 5 mL

How many mL would you need to draw up to equal 150 mg? \_\_\_\_\_

#### **Answer problem 1:**

15 kg

Low dose 100.5 mg (6.7 x 15 kg)

High dose 199.5 mg (13.3 x 15 kg)

Safe range (100.5 mg to 199.5 mg) 150 mg is a safe dose.

You would give 6 mL

**Calculation**

$$\frac{125 \text{ mg}}{5 \text{ mL}} = \frac{150 \text{ mg}}{x \text{ mL}} \quad \frac{750}{125 x}$$