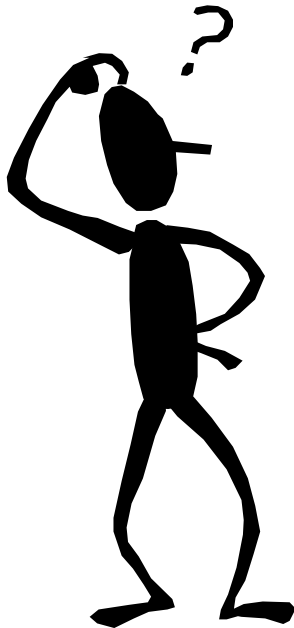


## Where's The Error?

Hasty Henry is calculating the dose for the following order for a 33-pound child.

Ordered: cephalixin PO 10 mg/kg q6h  
 On hand: see label

He performs the following calculations, using the ratio-proportion method.



First, he calculates the child's weight

$$2.2 \text{ kg} : 1 \text{ lb} :: ? : 33 \text{ lb}$$

$$1 \times ? = 2.2 \text{ kg} \times 33$$

$$? = 72.6 \text{ kg}$$

Then he calculates the desired dose

$$\frac{10 \text{ mg}}{\text{kg}} \times 72.6 \text{ kg} = 726 \text{ mg}$$

Finally, he calculated the amount to administer, using Q:H::A:D

$$5 \text{ mL} : 125 \text{ mg} :: A : 726 \text{ mg}$$

$$125 \times A = 5 \text{ mL} \times 726$$

$$A = 29 \text{ mL}$$

Henry realizes this is far too much to administer, and double-checks all of his calculations. He even makes certain that he has followed all of the rules for canceling units correctly. He still cannot find the problem. Where's the error?

Date of reconstitution: .....

Shake well before using. Keep tightly closed.

KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN.

L52864

TEVA PHARMACEUTICALS USA

Sellersville, PA 18980

Pg. Rev. C 1/2003

NDC 0093-4175-73

### CEPHALEXIN

For Oral Suspension, USP

**125 mg per 5 mL**

when reconstituted according to directions.

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Usual Children's Dose: 25 to 50 mg per kg a day in four divided doses. For more severe infections, dose may be doubled. See literature.

**Rx only**

WARNING: NOT FOR INJECTION

Store dry powder at controlled room temperature, between 20° and 25°C (68° and 77°F) (see USP).

**TO THE PHARMACIST:** Prepare suspension at time of dispensing. Add to the bottle a total of 71 mL of water. For ease in preparation, tap bottle to loosen powder, add the water in 2 portions, shaking well after each addition. The resulting suspension will contain cephalixin monohydrate equivalent to 125 mg cephalixin in each 5 mL (teaspoonful).

**IMPORTANT**

**STORE RECONSTITUTED SUSPENSION IN REFRIGERATOR. DISCARD AFTER 14 DAYS.**

100 mL (when mixed)

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