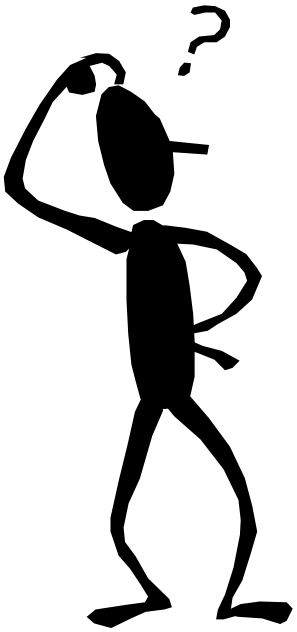
Where's The Error?

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

Ordered: cephalexin 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 kg:1 ~~lb~~::?:33 ~~lb~~

1 x ? = 2.2 kg x 33

? = 72.6 kg

Then he calculates the desired dose

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

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

5 mL:125 ~~mg~~::A:726 ~~mg~~

125 x A = 5 mL x 726

A = 29 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?