Calculating dosage in tabs, caps, ml

This tutorial demonstrates calculating the number of tablets, capsules, or milliliters to prepare.

Our first example: 350 mg of Sinequan (Doxepin) has been prescribed po. How many ml should you administer if the Sinequan is available in a strength labeled 10 mg in 1 ml?

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Step One – Write down the dosage you want to administer.
Step Two – Write down the known strength.
Step Three – Reduce the units.
Step Four – Perform the math.
Calculating dosage in tabs, caps, ml

(Step One)  (Step Two)
35 mg  1 ml
1 10 mg.

\[
\frac{35 \times 1}{1 \times 10} = \frac{35}{10} \quad \text{Reduce any fractions and remember the units label.}
\]

= 3.5 ml

Our first example: 35 mg of Sinequan (Doxepin) has been prescribed po. How many ml should you administer if the Sinequan is available in a strength labeled 10 mg in 1 ml?

We have found that we need to administer 3.5 ml of Sinequan.
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Our second example: 500 mg of Keflex (Cephalexin) has been prescribed. 250 mg of Keflex is available in capsules. How many capsules should be administered?

Step One – Write down the dosage you want to administer.

Step Two – Write down the known strength.

Step Three – Reduce the units.

Step Four – Perform the math.
Calculating dosage in tabs, caps, ml

Step Four – Perform the math.

We have found that we need to administer 2 capsules of Keflex.

\[
\begin{align*}
(\text{Step One}) & \quad 500 \text{ mg} \times 1 \\
& \quad 1 \\
(\text{Step Two}) & \quad 250 \text{ mg}.
\end{align*}
\]

\[
\begin{align*}
\frac{500 \times 1}{1 \times 250} &= \frac{500}{250} \\
&= 2 \text{ capsules}
\end{align*}
\]

Reduce any fractions and remember the units label.

Our second example: 500 mg of Keflex (Cephalexin) has been prescribed. 250 mg of Keflex is available in capsules. How many capsules should be administered?

We have found that we need to administer 2 capsules of Keflex.