
HESI Dosage Calculation 2023 For RN and LPN

with Tutoring (Best Review!)

50 Real HESI QUESTIONS WITH ANSWERS!

For any inquiries send to
nursinghero.rn@gmail.com

Each page has a question, if the
screenshot is not clear, the question will
be re-typed

You must understand how each question
is solved, for that I included the way of
solving it, you might find different
numbers in the exam.

Good luck!

1
A school-aged child who weighs 42 pounds receives a post-tonsillectomy prescription for promethazine 0.5 mg/kg IM to prevent postoperative nausea. The medication is available in 25 mg/mL ampules. How many mL should the nurse administer? (Enter numeric value only. If rounding is required, round to the nearest tenth).

0.4

x

0.4

Dose is 0.5 mg x kg

Child's weight is in pounds, so we have to convert it to kg

1 Kg = 2.2 pounds (lb)

X kg = 42 lb

$X = 42 \times 1/2.2 = 19 \text{ kg}$

So the dose is 0.5 mg x 19 kg = 9.5 mg

----- that's the 1st part to get into the final part of the question which is how many ml should be administered? In other words, to get 9.5 mg delivered, how many mL should be given?

The key answer is how much solution, ampule, syrup you have (in other words, the fixed amount of medicine that would be supplied for you from the pharmacy)

So here we have 25 mg / mL in each ampule, and we need to give 9.5 mg, if you arrange it in an equation, it will be:

25 mg ---- 1 mL

9.5 mg ---- x mL (x is always the missing amount that you need to know)

$X = 9.5 \times 1/25 = 0.381 \rightarrow \text{round to nearest tenth} = 0.4$