

Practice Math Questions (Family 1 or Bridge Students)

1. Ordered: 0.5 g tab PO daily.
Label: dose concentration 250 mg per tab.

The nurse will give _____ tabs/dose

2. Ordered: 0.1 g tab PO daily.
Label: dose concentration 0.05 g per tab

The nurse will give _____ tabs/dose

3. Ordered 0.25 g tab PO tid
Label: dose concentration 125 mg per tab

The nurse will give _____ tabs/dose

4. Ordered: Ativan 1 mg PO prn at bedtime for a patient with anxiety.
Available: See Label



The nurse will give _____ tabs/dose

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5. Ordered: Lopressor 0.1 g PO daily at bedtime for a patient with hypertension (ATN).
Available: See Label

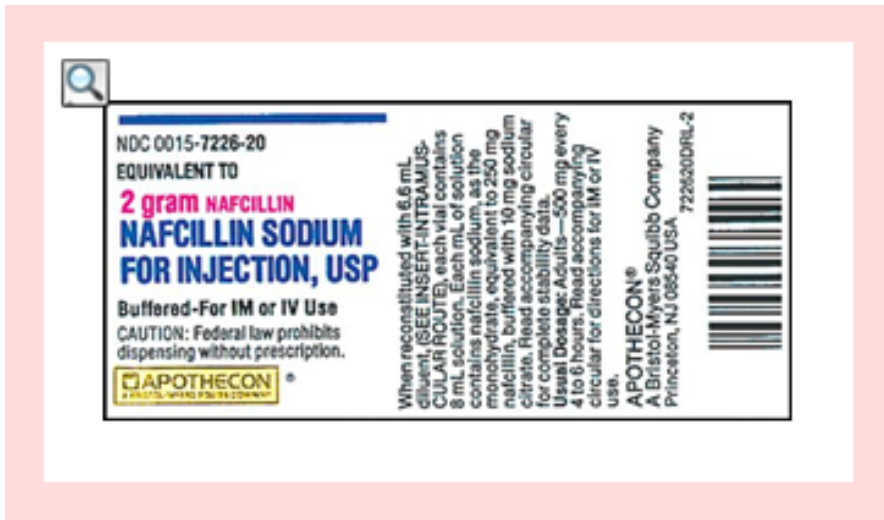


The nurse will give _____ tabs/dose

6. Ordered: nafcillin 0.45 g IM q4h, an antibiotic, for a patient with infection.

Drug concentration after reconstitution: _____

The nurse will give _____ mL/dose

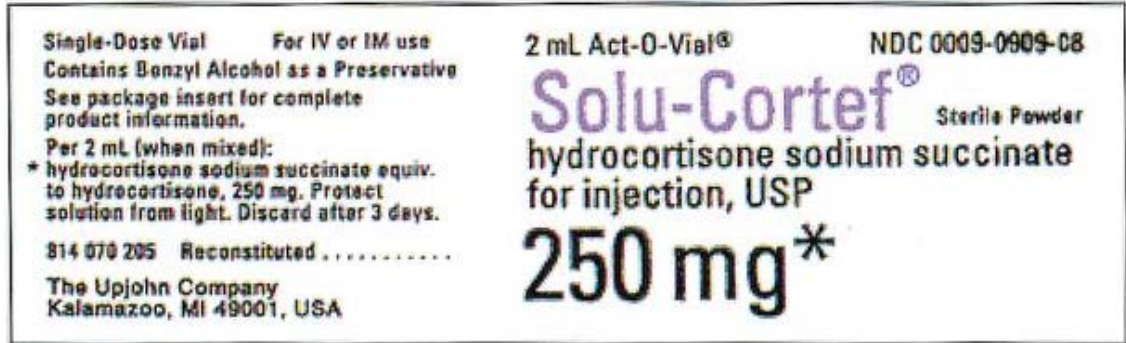


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7. Ordered: Solu-Cortef 0.3 g IM, an anti-inflammatory steroid, for a patient with severe inflammatory response.

Available: See label

The nurse will administer _____ mL/dose.



8. Ordered: Drug Y, 50 mg IM

What diluent concentration should the nurse choose? _____ mg/mL

The nurse should administer _____ mL/dose.

(Diluent SW= Diluent Sterile Water)

Reconstitution directions for Drug Y for IM administration:

Diluent SW	Total Volume	Solution Concentration
1 mL	1.4 mL	480 mg per mL
2 mL	3 mL	250 mg per mL
4 mL	5.8 mL	100 mg per mL
For IV administration:		
12 mL	15.8 mL	50 mg per mL

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9. Ordered: ampicillin 0.5 g IM q 6 h for a patient with an URI (upper respiratory infection)

Available: See Label below.

How much diluent should be added for IM use? _____ mL

What is the concentration after the reconstitution? _____ mg per _____ mL

The nurse should administer _____ mL/dose

NDC 0015-7404-20
NSN 6505-00-993-3518

EQUIVALENT TO
1 gram AMPICILLIN
Ampicillin
for Injection, USP
Formerly known as
Sterile Ampicillin Sodium, USP
For IM or IV Use

Rx only

For IM use, add 3.5 mL diluent (read accompanying insert). Resulting solution contains 250 mg ampicillin per mL.
Use solution within 1 hour.
This vial contains ampicillin sodium equivalent to 1 gram ampicillin.
Usual Dosage: Adults—250 to 500 mg IM q 6h.
READ ACCOMPANYING INSERT for detailed indications, IM or IV dosage and precautions.

APOTHECON®
A Bristol-Myers Squibb Company 7404200RL-3
Princeton, NJ 08540 USA 34-001448-01



Cont:
Exp. Date:

10. Drug X, 250 mg PO 4 times daily.

The Safe Dosage Range for children: 1- 1.5 g per day in 4 divided doses.

Is this order within the Safe Dosage Range? Yes or No

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11. Ordered: Drug A, 2 mg PO q 6h.

The Safe Dosage Range for children: 500-800 mcg per kg per day in 4 divided doses.

Patient's weight: 22 pounds.

The safe dosage range for this patient is _____ mcg to _____ mcg/day

The safe dosage range for this patient is _____ mg to _____ mg/day

The dosage ordered is safe: Yes or No

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12. Ordered: Keflex (cephalexin for oral suspension) 150 mg PO qid for a child with a mild upper respiratory infection.

Read the label to obtain the Safe Dosage Range.

The patient's weight is 36 pounds.

The safe dosage range is _____ mg to _____ mg

The amount ordered is safe? Yes or No



The image shows a rectangular label for Keflex oral suspension. At the top right, it lists 'NDC 0777-2321-97' and '60 mL (When Mixed) M-201'. The product name 'KEFLEX®' is prominently displayed in large, bold letters, followed by 'CEPHALEXIN FOR ORAL SUSPENSION, USP' and '125 mg per 5 mL'. On the right side, there are four vertical black bars. Below the product name is the 'DISTA' logo. The label contains several paragraphs of text: a 'CAUTION' statement, 'Usual Children's Dose' information, 'Directions for Mixing', and 'Prior to Mixing' instructions. At the bottom, it identifies the manufacturer as 'DISTA PRODUCTS COMPANY', a subsidiary of Eli Lilly and Co., and includes the address and expiration date information.

NDC 0777-2321-97
60 mL (When Mixed) M-201

KEFLEX®
CEPHALEXIN FOR
ORAL SUSPENSION, USP
125 mg per 5 mL

DISTA

CAUTION—Federal (U.S.A.) law prohibits dispensing without prescription.

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. Contains Cephalexin Monohydrate equivalent to 1.5 g Cephalexin in a dry pleasantly flavored mixture.

Prior to Mixing—Store at Controlled Room Temperature 59° to 86°F (15° to 30°C).

Directions for Mixing—Add 36 mL of water in two portions to the dry mixture in the bottle. Shake well after each addition.

Each 5 mL (Approx. one teaspoonful) will then contain: Cephalexin Monohydrate equivalent to 125 mg Cephalexin

WV 4910 DPX Mfg. by
DISTA PRODUCTS COMPANY
a Division of Eli Lilly Industries, Inc.
Carolina, Puerto Rico 00630, a Subsidiary of
Eli Lilly and Co., Indianapolis, IN, U.S.A.
Expiration Date

60 mL KEFLEX® CEPHALEXIN FOR ORAL
SUSPENSION, USP **125 mg per 5 mL**. Over-
size bottle provides extra space for shaking. Store in
a refrigerator. May be kept for 14 days without signifi-
cant loss of potency. Keep Tightly Closed. Discard
unused portion after 14 days.

SHAKE WELL BEFORE USING
Control No.

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13. Ordered: Biaxin (clarithromycin oral suspension) 150 mg PO bid, for a child with otitis media

Available: See Label

The safe dosage is 15 mg per kg per day in 2 divided doses

The patient's weight is 44 pounds.

The safe dosage is _____ mg/day.

The dosage ordered is safe: Yes or No

If the dosage is safe, the nurse should administer: _____ mL



The image shows the packaging label for Biaxin Granules. The label is white with red and black text. On the left side, there is a pink vertical strip with white text. The top right corner has a red box with white text. The main body of the label contains detailed instructions and product information. On the right side, there is a barcode and a vertical number. The bottom right corner features the Abbott logo and a caution statement.

May be taken before, after or with meals.
Shake well before each use. Diversize bottle provides shake space. Keep tightly closed.
After mixing, store at 15° to 30°C (59° to 86° F) and use within 14 days. **DO NOT REFRIGERATE.**
NDC 0074-3163-13
02-7716-R5

Lot
Exp.

TEAR PERFORATION BETWEEN ARROWS

Store granules at 15° to 30°C (59° to 86°F).
CONSTITUTING INSTRUCTIONS:
VOLUME OF WATER: 55 mL
Measure the required volume of water using a graduated cylinder. Add half the volume of water to the bottle and shake vigorously. Add the remainder of water to the bottle and shake.
Contains 2.5 g clarithromycin.
When mixed as directed, each teaspoonful (5 mL) contains:
Clarithromycin.....125 mg
in a fruit punch-flavored, aqueous vehicle.
DOSAGE MAY BE ADMINISTERED WITHOUT REGARD TO MEALS.
Usual dose: Children: 15 mg/kg/day divided in 2 equal doses. See enclosure for adult dose and full prescribing information.
Abbott Laboratories
North Chicago, IL60064, U.S.A.

NDC 0074-3163-13
100 mL (when mixed)

BIAXIN[®]
GRANULES
clarithromycin for oral suspension
125 mg per 5 mL
when reconstituted
Flavor change adopted Sept. 1995.

Caution: Federal (U.S.A.) law prohibits dispensing without prescription.

0074316313

PEEL

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14. Ordered: Stadol 1.2 mg IM stat for a patient with pain
Available: See Label

The nurse will give _____ mL/dose.



15. Ordered: Solu-Cortef 150 mg IM stat for a patient with a severe allergic reaction.

Available: See Label

The nurse will give _____ mL/dose.

