

## Case studies



A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?

(Review the MAR. Round the answer to the nearest tenth.)



64.1

## Case studies



A nurse is calculating the dosage of nifedipine. How many tablets should the nurse administer?

(Review the MAR. Move the number of tablets the nurse should administer into the medication cup. Then click "Submit.")

Store below 86°F. (30°C).  
PROTECT FROM MOISTURE AND HUMIDITY.  
Dispense in tight containers (USP)

**DOSAGE AND USE**  
See accompanying prescribing information.

\*Each tablet contains 33 mg nifedipine to provide a 30 mg dose.  
Rx only.

100 Tablets  
**NIFEDIPINE**  
extended release

30 mg GITS\*



1



A nurse is calculating the dosage of magnesium sulfate IV bolus. Available is magnesium sulfate 4 g in D<sub>5</sub>W 50 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest whole number.)



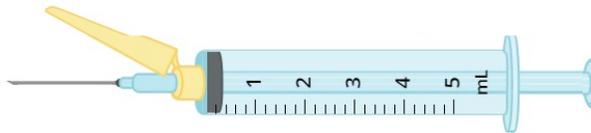
100

## Case studies

Q

A nurse is calculating the dosage of betamethasone. How many milliliters should the nurse administer?

(Review the MAR and medication label. Measure the correct dose of the medication by dragging the syringe. Then click "Submit.")



2

Q

A nurse is calculating the IV flow rate for ampicillin. Available is ampicillin 500 mg in 0.9% NaCl 100 mL to run over 30 min. The nurse should administer how many mL/hr?

(Review the MAR. Round the answer to the nearest whole number.)



200

Q

A nurse is calculating the dosage of magnesium sulfate IV by continuous infusion. Available is magnesium sulfate 20 g in D<sub>5</sub>W 500 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest whole number.)



50

## Case studies

A nurse is calculating the dosage of hydralazine. How many milliliters should the nurse administer?

(Review the MAR and medication label. Round the answer to the nearest hundredth.)



0.25

