1. A child weighs 52 lbs. You determine that 52 lbs is equivalent to ___ kg.

2. NS with Regular Iletin I (Insulin) is infusing at a rate of 29 mL/hr. The IV solution was prepared by adding 100 units of Regular Iletin I to NS. The final solution contained a total volume of 250 mL. How many units are infusing per hr? How many units are infusing per minute?

3. Three quarter strength Glucerna must be prepared for a tube feeding. You have available full strength Glucerna. To prepare 200 mL of feeding, you dilute ___ mL of the full strength Glucerna with ___ mL of water.

4. 100 mL of one half strength Sustacal must be prepared for a tube feeding. You have available full strength Sustacal. To prepare the feeding, you dilute ___ mL of the full strength Sustacal with ___ mL of water.

5. An IV will be administered using an infusion pump that delivers mL/hr. 0.9% NaCl (0.9% Sodium Chloride) has been prescribed to run IV at a rate of 65 mL/6 hrs. The IV should infuse at how many mL/hr?

6. An infant weighs 20 lbs, 2 oz. You determine that 20 lbs, 2 oz is equivalent to ___ kg.

7. Three quarter strength Isocal must be prepared for a tube feeding. You have available full strength Isocal. To prepare 275 mL of feeding, you dilute ___ mL of the full strength Isocal with ___ mL of water.

8. 2 g of Procainamide Hydrochloride in D5W has been prescribed for IV infusion at a rate of 2 mg/min. The IV solution has a total volume of 500 mL. The IV should be infused at how many mL per hour?

9. 90 mL of 1/4 strength Kindercal must be prepared for a tube feeding. You have available full strength Kindercal. To prepare the feeding, you dilute ___ mL of the full strength Kindercal with ___ mL of water.

10. NS with Ammonium Chloride is infusing at a rate of 135 mL/hr. The IV solution was prepared by adding 100 mEq of Ammonium Chloride to NS. The final solution contained a total volume of 250 mL. How many mEq are infusing per hr? How many mEq are infusing per minute?

11. Cytovene (Ganciclovir) has been prescribed for a patient currently weighing 140 lbs. The drug literature recommends 5 mg/kg/dose. In checking the appropriateness of the drug order, you determine that ___ mg of Cytovene would be an appropriate dose per dose.

12. An IV of D5W containing 20 mg of Primacor (Milrinone Lactate) and a total volume of 100 mL is to be infused at a rate of 25 mcg/min. At how many mL/hr will you infuse the IV?

13. D5W with Dopamine is infusing at a rate of 52 mL/hr. The IV solution was prepared by adding 200 mg of Dopamine to D5W. The final solution contained a total volume of 250 mL. How many mg are infusing per hr? How many mg are infusing per minute?

14. A child weighs 21 lbs, 3 oz. You determine that 21 lbs, 3 oz is equivalent to ___ kg.

15. An adult weighs 163 lbs. You determine that 163 lbs is equivalent to ___ kg.

16. You need to verify that a prescribed dose of Magnesium Sulfate for a patient currently weighing 10.6 kg is appropriate. The drug literature recommends 30-60 mg/kg/day. You determine that an appropriate dose for this patient would be ___ to ___ mg per day.

17. One half strength NuBasics must be prepared for a tube feeding. You have available full strength NuBasics. To prepare 150 mL of feeding, you dilute ___ mL of the full strength NuBasics with ___ mL of water.

18. A child weighs 25 lbs. You determine that 25 lbs is equivalent to ___ kg.

19. D5W with Diprivan (Propofol) is infusing at a rate of 10 mL/hr. The IV solution was prepared by adding 2500 mg of Diprivan to D5W. The final solution contained a total volume of 250 mL. How many mg are infusing per hr? How many mg are infusing per minute?

20. 50% Ensure must be prepared for a tube feeding. You have available full strength Ensure. To prepare 85 mL of feeding, you dilute ___ mL of the full strength Ensure with ___ mL of water.

21. D5W with Epinephrine is infusing at a rate of 55 mL/hr. The IV solution was prepared by adding 2 mg of Epinephrine to D5W. The final solution contained a total volume of 250 mL. How many mg are infusing per hr? How many mg are infusing per minute?

22. An IV of NS containing 9 mg of ReoPro (Abciximab) and a total volume of 250 mL is to be infused at a rate of 10 mcg/min. At how many mL/hr will you infuse the IV?

23 . An infant weighs 11 lbs, 8 oz. You determine that 11 lbs, 8 oz is equivalent to ___ kg.

24 . You need to verify that a prescribed dose of Mefoxin (Cefoxitin) for a patient currently weighing 59 lbs is appropriate. The drug literature recommends 80-100 mg/kg/day. You determine that an appropriate dose for this patient would be ___ to ___ mg per day.

25 . 175 mL of one quarter strength Criticare-HN must be prepared for a tube feeding. You have available full strength Criticare-HN. To prepare the feeding, you dilute ___ mL of the full strength Criticare-HN with ___ mL of water.

26 . D5W with Heparin is infusing at a rate of 2 mL/hr. The IV solution was prepared by adding 5,000 units of Heparin to D5W. The final solution contained a total volume of 100 mL. How many units are infusing per hr? How many units are infusing per minute?

27 . An IV will be administered using an infusion pump that delivers mL/hr. D2.5W (2.5% Dextrose in Water) has been prescribed to run IV at a rate of 35 mL/2 hrs. The IV should infuse at how many mL/hr?

28 . An IV will be administered using an infusion pump that delivers mL/hr. D5 in 0.9% NaCl (5% Dextrose in 0.9% Sodium Chloride) has been prescribed to run IV at a rate of 37 mL/30 min. The IV should infuse at how many mL/hr?

29 . An IV of D5W containing 4 g of Lidocaine and a total volume of 500 mL is to be infused at a rate of 2 mg/min. At how many mL/hr will you infuse the IV?

30 . An IV will be administered using an infusion pump that delivers mL/hr. D5 in 0.45% NaCl (5% Dextrose in 0.45% Sodium Chloride) has been prescribed to run IV at a rate of 35 mL/30 min. The IV should infuse at how many mL/hr?

31 . D5W with Nitroprusside is infusing at a rate of 14 mL/hr. The IV solution was prepared by adding 100 mg of Nitroprusside to D5W. The final solution contained a total volume of 250 mL. How many mg are infusing per hr? How many mg are infusing per minute?

32 . You need to verify that a prescribed dose of Diuril (Chlorothiazide) for a patient currently weighing 9.4 kg is appropriate. The drug literature recommends 4 mg/kg/day. You determine that an appropriate dose for this patient would be ___ mg per day.

33 . An adult weighs 182 lbs. You determine that 182 lbs is equivalent to ___ kg.

34 . An IV of D5W containing 40 mg of Dobutrex (Dobutamine) and a total volume of 50 mL is to be infused at a rate of 100 mcg/min. At how many mL/hr will you infuse the IV?

35 . An IV will be administered using an infusion pump that delivers mL/hr. Lactated Ringer's (Lactated Ringer's Solution) has been prescribed to run IV at a rate of 1,000 mL/8 hrs. The IV should infuse at how many mL/hr?

36 . A child weighs 26 lbs, 12 oz. You determine that 26 lbs, 12 oz is equivalent to ___ kg.

37 . Robinul (Glycopyrrolate) has been prescribed for a patient currently weighing 67 kg. The drug literature recommends 4 mcg/kg/dose. In checking the appropriateness of the drug order, you determine that ___ mcg of Robinul would be an appropriate dose per dose.

38 . You need to verify that a prescribed dose of Capoten (Captopril) for a patient currently weighing 14.6 kg is safe. The drug literature recommends a maximum of 6 mg/kg/day. The drug is administered in 3 divided doses over a 24-hour period. You determine that a maximum safe dose for this patient would be ___ mg per dose.

39 . 350 mL of one quarter strength Suplena must be prepared for a tube feeding. You have available full strength Suplena. To prepare the feeding, you dilute ___ mL of the full strength Suplena with ___ mL of water.

40 . D5W with Primacor (Milrinone Lactate) is infusing at a rate of 15 mL/hr. The IV solution was prepared by adding 10 mg of Primacor to D5W. The final solution contained a total volume of 100 mL. How many mg are infusing per hr? How many mg are infusing per minute?

41 . An infant weighs 16 lbs, 3 oz. You determine that 16 lbs, 3 oz is equivalent to ___ kg.

42 . An IV will be administered using an infusion pump that delivers mL/hr. D5 in Lactated Ringer's (5% Dextrose in Lactated Ringer's Solution) has been prescribed to run IV at a rate of 900 mL/10 hrs. The IV should infuse at how many mL/hr?

43 . D5W with Brevibloc (Esmolol HCl) is infusing at a rate of 18 mL/hr. The IV solution was prepared by adding 2500 mg of Brevibloc to D5W. The final solution contained a total volume of 250 mL. How many mg are infusing per hr? How many mg are infusing per minute?

44 . Imuran (Azathioprine) has been prescribed for a patient currently weighing 111 lbs. The drug literature recommends 2-5 mg/kg/day. In checking the appropriateness of the drug order, you determine that ___ to ___ mg of Imuran would be an appropriate dose per day.

45 . You need to verify that a prescribed dose of Isoniazid for a patient currently weighing 143 lbs is appropriate. The drug literature recommends 10 mg/kg/day. You determine that an appropriate dose for this patient would be ___ mg per day.

46 . 4 mg of Levophed (Norepinephrine Bitartrate) in D5W has been prescribed for IV infusion at a rate of 9 mcg/min. The IV solution has a total volume of 250 mL. The IV should be infused at how many mL per hour?

47 . An IV will be administered using an infusion pump that delivers mL/hr. 0.45% NaCl (0.45% Sodium Chloride) has been prescribed to run IV at a rate of 48 mL/30 min. The IV should infuse at how many mL/hr?

48 . An infant weighs 2900 g. You determine that 2900 g is equivalent to ___ kg.

49 . You need to verify that a prescribed dose of Celontin (Methsuximide) for a patient currently weighing 22.6 kg is safe. The drug literature recommends a maximum of 30 mg/kg/day. You determine that a maximum safe dose for this patient would be ___ mg per day.

50 . Aspirin has been prescribed for a patient currently weighing 23.6 kg. The drug literature recommends 60-100 mg/kg/day. In checking the appropriateness of the drug order, you determine that ___ to ___ mg of Aspirin would be an appropriate dose per day.

51 . One quarter strength Vivonex must be prepared for a tube feeding. You have available full strength Vivonex. To prepare 400 mL of feeding, you dilute ___ mL of the full strength Vivonex with ___ mL of water.

52 . Three quarter strength Nutrivent must be prepared for a tube feeding. You have available full strength Nutrivent. To prepare 125 mL of feeding, you dilute ___ mL of the full strength Nutrivent with ___ mL of water.

53 . 0.5 g of Inocor (Amrinone Lactate) in NS has been prescribed for IV infusion at a rate of 800 mcg/min. The IV solution has a total volume of 250 mL. The IV should be infused at how many mL per hour?

54 . An IV will be administered using an infusion pump that delivers mL/hr. 0.9% NaCl (0.9% Sodium Chloride) has been prescribed to run IV at a rate of 5 mL/30 min. The IV should infuse at how many mL/hr?

55 . D5W with Heparin is infusing at a rate of 14 mL/hr. The IV solution was prepared by adding 25,000 units of Heparin to D5W. The final solution contained a total volume of 250 mL. How many units are infusing per hr? How many units are infusing per minute?

56 . An IV of D5W containing 50 mg of Nitroprusside and a total volume of 500 mL is to be infused at a rate of 75 mcg/min. At how many mL/hr will you infuse the IV?

57 . An IV will be administered using an infusion pump that delivers mL/hr. D5 in 0.9% NaCl (5% Dextrose in 0.9% Sodium Chloride) has been prescribed to run IV at a rate of 1,000 mL/4 hrs. The IV should infuse at how many mL/hr?

58 . An IV will be administered using an infusion pump that delivers mL/hr. 10% Fat Emulsion has been prescribed to run IV at a rate of 250 mL/2 hrs. The IV should infuse at how many mL/hr?

59 . An IV of D5W containing 4 mg of Isuprel (Isoproterenol) and a total volume of 500 mL is to be infused at a rate of 10 mcg/min. At how many mL/hr will you infuse the IV?

60 . An IV of NS containing 100 units of Regular Iletin I (Insulin) and a total volume of 250 mL is to be infused at a rate of 15 units/hr. At how many mL/hr will you infuse the IV?