

132 Practice Test 1

1. Question type: 1. metric conversions (mcg, mg, g)

0.24 grams of Mestinon (pyridostigmine bromide) must be prepared. Mestinon is available in mg. How many mg of Mestinon should be prepared?

2. Question type: 4. metric/apothecary conversions (g, kg, lbs, oz)

A child weighs 21 lbs, 11 oz. You determine that 21 lbs, 11 oz is equivalent to ___ kg.

Note: $21 \text{ lbs} + \frac{11}{16}$

3. Question type: 6. dosage/dose or day (weight)

Nafcillin has been prescribed for a patient currently weighing 8.7 kg. The drug literature recommends 50-100 mg/kg/day. In checking the appropriateness of the drug order, you determine that ___ to ___ mg of nafcillin would be an appropriate dose per day.

4. Question type: 5. # of tabs, caps, or mL to prepare

A 1 gram vial of powdered Cefadyl (cephapirin) is available. Directions for reconstitution state: Add 2 mL of diluent to yield 500 mg in 1.2 mL. To prepare a dosage of 0.4 grams how many mL of Cefadyl should you withdraw from the vial after reconstituting the drug as directed?

5. Question type: 6. dosage/dose or day (weight)

You need to verify that a prescribed dose of Cytovene (ganciclovir) for a patient currently weighing 135 lbs is appropriate. The drug literature recommends 5 mg/kg/dose. You determine that an appropriate dose for this patient would be ___ mg per dose.

6. Question type: 12. mL/hr (volume of fluid prescribed)

An IV will be administered using an infusion pump that delivers mL per hour. Dextrose 5% in water has been prescribed to run IV at a rate of 95 mL per 8 hrs. The IV should infuse at how many mL per hour?

7. Question type: 5. # of tabs, caps, or mL to prepare

Estinyl (ethinyl estradiol) is available in 0.02 mg tablets. 20 mcg has been prescribed by mouth. You should administer ___ tablets.

8 . Question type: 5. # of tabs, caps, or mL to prepare

You have available a 2 mL ampule of Amikin (amikacin) labeled 250 mg in 1 mL. 0.5 grams of Amikin must be prepared. How many mL of the drug should you prepare?

9 . Question type: 5. # of tabs, caps, or mL to prepare

360 mg of liquid Trileptal (oxcarbazepine) has been prescribed po. How many mL should you administer if the Trileptal is available in a strength labeled 300 mg in 5 mL?

10 . Question type: 13. gtts/min (volume of fluid prescribed)

200 mL of dextrose 5% in 0.9% sodium chloride has been prescribed for IV infusion over 1 hour. You are using an IV administration set that delivers 15 drops per mL. You run the IV at ___ drops per minute.

11 . Question type: 12. mL/hr (volume of fluid prescribed)

An IV will be administered using an infusion pump that delivers mL per hour. 0.9% sodium chloride has been prescribed to run IV at a rate of 95 mL per 4 hrs. The IV should infuse at how many mL per hour?

12 . Question type: 12. mL/hr (volume of fluid prescribed)

An IV will be administered using an infusion pump that delivers mL per hour. 0.9% sodium chloride has been prescribed to run IV at a rate of 16 mL per 30 minutes. The IV should infuse at how many mL per hour?

13 . Question type: 5. # of tabs, caps, or mL to prepare

Liquid digoxin is available for po use labeled 50 mcg in 1 mL. 0.15 mg of digoxin has been prescribed. You should prepare ___ mL of the drug for administration.

14 . Question type: 5. # of tabs, caps, or mL to prepare

Terramycin (oxytetracycline) is available in a 10 mL ampule labeled 50 mg in 1 mL. 0.25 grams of Terramycin must be prepared. How many mL should you withdraw from the ampule in preparing the drug?

15 . Question type: 6. dosage/dose or day (weight)

Azactam (aztreonam) has been prescribed for a patient currently weighing 85 lbs. The drug literature recommends 90-120 mg/kg/day. In checking the appropriateness of the drug order, you determine that ___ to ___ mg of Azactam would be an appropriate dose per day.

16 . Question type: 3. metric/household conversions (tsp, tbs, mL)

2 teaspoon of cough medicine has been prescribed. A measuring device marked in mL is being used. How many mL should be administered?

17 . Question type: 1. metric conversions (mcg, mg, g)

An IV solution contains 2 grams of lidocaine. 2 grams of lidocaine is equivalent to how many mg?

18 . Question type: 6. dosage/dose or day (weight)

Tofranil (imipramine) has been prescribed for a patient currently weighing 19.1 kg. The drug literature recommends 2 mg/kg/day. In checking the appropriateness of the drug order, you determine that ___ mg of Tofranil would be an appropriate dose per day.

19 . Question type: 4. metric/apothecary conversions (g, kg, lbs, oz)

An adult weighs 188 lbs. You determine that 188 lbs is equivalent to ___ kg.

20 . Question type: 2. metric/apothecary conversions (gr, mg)

Codeine is available in mg. 1 grains of codeine must be prepared. How many mg of codeine should be prepared?

Use
60mg = 1 gram

21 . Question type: 6. dosage/dose or day (weight)

You need to verify that a prescribed dose of Myleran (busulfan) for a patient currently weighing 12.6 kg is appropriate. The drug literature recommends 0.8 mg/kg/dose. You determine that an appropriate dose for this patient would be ___ mg per dose.

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- 22 . Question type: 13. gtts/min (volume of fluid prescribed)
-

500 mL of dextrose 5% in 0.9% sodium chloride has been prescribed for IV infusion over 4 hrs. You are using an IV administration set that delivers 20 drops per mL. You run the IV at ___ drops per minute.

- 23 . Question type: 6. dosage/dose or day (weight)
-

You need to verify that a prescribed dose of gentamicin for a patient currently weighing 66 kg is appropriate. The drug literature recommends 2 mg/kg/dose. You determine that an appropriate dose for this patient would be ___ mg per dose.

- 24 . Question type: 12. mL/hr (volume of fluid prescribed)
-

An IV will be administered using an infusion pump that delivers mL per hour. Dextrose 5% in 0.45% sodium chloride has been prescribed to run IV at a rate of 26 mL per 30 minutes. The IV should infuse at how many mL per hour?

- 25 . Question type: 12. mL/hr (volume of fluid prescribed)
-

An IV will be administered using an infusion pump that delivers mL per hour. Dextrose 2.5% in water has been prescribed to run IV at a rate of 400 mL per 4 hrs. The IV should infuse at how many mL per hour?

- 26 . Question type: 13. gtts/min (volume of fluid prescribed)
-

You have available an IV administration set that delivers 60 drops per mL. Dextrose 2.5% in water has been prescribed to run IV at a rate of 1,000 mL per 24 hrs. The IV should infuse at how many drops per minute?

- 27 . Question type: 3. metric/household conversions (tsp, tbs, mL)
-

50 mg of liquid Thorazine (chlorpromazine) has been prescribed. 50 mg is contained in 25 mL. A measuring device marked in teaspoons is being used. 25 mL is equivalent to how many teaspoons?

- 28 . Question type: 2. metric/apothecary conversions (gr, mg)
-

Codeine is available in mg. 1/4 grains of codeine must be prepared. How many mg of codeine should be prepared?

60 mg = 1 gr

29 . Question type: 12. mL/hr (volume of fluid prescribed)

An IV will be administered using an infusion pump that delivers mL per hour. Dextrose 5% in 0.9% sodium chloride has been prescribed to run IV at a rate of 85 mL per 2 hrs. The IV should infuse at how many mL per hour?

30 . Question type: 13. gtts/min (volume of fluid prescribed)

150 mL of dextrose 5% in 0.9% sodium chloride has been prescribed for IV infusion over 1 hour. You are using an IV administration set that delivers 10 drops per mL. You run the IV at ___ drops per minute.

31 . Question type: 13. gtts/min (volume of fluid prescribed)

100 mL of 0.45% sodium chloride has been prescribed for IV infusion over 1 hour. You are using an IV administration set that delivers 15 drops per mL. You run the IV at ___ drops per minute.

32 . Question type: 13. gtts/min (volume of fluid prescribed)

You have available an IV administration set that delivers 20 drops per mL. Dextrose 5% in 0.45% sodium chloride has been prescribed to run IV at a rate of 175 mL per 1 hour. The IV should infuse at how many drops per minute?

Answer Key

1. 240
2. 9.9
3. 435; 870
4. 0.96
5. 307
6. 12
7. 1
8. 2
9. 6
10. 50
11. 24
12. 32
13. 3
14. 5
15. 3,474; 4,632
16. 10
17. 2,000
18. 38
19. 85.5
20. 60
21. 10
22. 42
23. 132
24. 52
25. 100
26. 42
27. 5
28. 15
29. 43
30. 25
31. 25
32. 58