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# Section II – Math

**1. What is 1/3 of 3/4?**

a. 1/4
b. 1/3
c. 2/3
d. 3/4

**2. What fraction of $75 is $1500?**

a. 1/14
b. 3/5
c. 7/10
d. 1/20

**3. 3.14 + 2.73 + 23.7 =**

a. 28.57
b. 30.57
c. 29.56
d. 29.57

**4. A woman spent 15% of her income on an item and ends up with $120. What percentage of her income is left?**

a. 12%
b. 85%
c. 75%
d. 95%

**5. Express 0.27 + 0.33 as a fraction.**

a. 3/6
b. 4/7
c. 3/5
d. 2/7

**6. What is (3.13 + 7.87) X 5?**

a. 65
b. 50
c. 45
d. 55

**7. Reduce 2/4 X 3/4 to lowest terms.**

a. 6/12
b. 3/8
c. 6/16
d. 3/4

**8. 2/3 – 2/5 =**

a. 4/10
b. 1/15
c. 3/7

d. 4/15

**9. 2/7 + 2/3 =**

a. 12/23
b. 5/10
c. 20/21
d. 6/21

**10. 2/3 of 60 + 1/5 of 75 =**

a. 45
b. 55
c. 15
d. 50

**11. 8 is what percent of 40?**

a. 10%
b. 15%
c. 20%
d. 25%

**12. 9 is what percent of 36?**

a. 10%
b. 15%
c. 20%
d. 25%

**13. Three tenths of 90 equals:**

a. 18
b. 45
c. 27
d. 36

**14. .4% of 36 is**

a. 1.44
b. .144
c. 14.4
d. 144

**15. The physician ordered 5 mg Coumadin; 10 mg/tablet is on hand. How many tablets will you give?**

a. .5 tablets
b. 1 tablet

c. .75 tablets

d. 1.5 tablets

**16. The physician ordered 20 mg Tylenol/kg of body weight; on hand is 80 mg/tablet. The child weighs 12 kg. How many tablets will you give?**

a. 1 tablet

b. 3 tablets

c. 2 tablets

d. 4 tablets

**17. The physician ordered 20 mg Tylenol/kg of body weight; on hand is 80 mg/tablet. The child weighs 44 lb. How many tablets will you give?**

a. 5 tablets

b. 5.5 tablets

c. 4.5 tablets

d. 3 tablets

**18. The physician ordered 3,000 units of heparin; 5,000 U/mL is on hand. How many milliliters will you give?**

a. 0.5 ml

b. 0.6 ml

c. 0.75 ml

d. 0.8 ml

**19. The physician orders 60 mg Augmentin; 80 mg/mL is on hand. How many milliliters will you give?**

a. 1 ml

b. 0.5 ml

c. 0.75 ml

d. 0.95 ml

**20. The physician ordered 16 mg Ibuprofen/kg of body weight; on hand is 80 mg/tablet. The child weighs 15 kg. How many tablets will you give?**

a. 3 tablets

b. 2 tablets

c. 1 tablet

d. 2.5 tablets

**21. The physician orders 1000 mg Benbadryl liquid; 1 g/tsp is on hand. How many teaspoons will you give?**

a. .75 tsp

b. 1.5 tsp

c. 1 tsp
d. 1.25 tsp

**22. The physician ordered 10 units of regular insulin and 200 U/mL is on hand. How many milliliters will you give?**

a. .45 ml
b. .75 ml
c. .25 ml
d. .05 ml

**23. If y = 4 and x = 3, solve $yx^3$**

a. -108
b. 108
c. 27
d. 4

**24. Convert 0.007 kilograms to grams**

a. 7 grams
b. 70 grams
c. 0.07 grams
d. 0.70 grams

**25. Convert 16 quarts to gallons**

a. 1 gallons
b. 8 gallons
c. 4 gallons
d. 4.5 gallons

**26. Convert 2 teaspoons to milliliters.**

a. 4.3 milliliters
b. 9 milliliters
c. 9.86 milliliters
d. 4 milliliters

**27. Convert 200 meters to kilometers**

a. 50 kilometers
b. 20 kilometers
c. 12 kilometers
d. 0.2 kilometers

**28. Convert 72 inches to feet**

a. 12 feet