

Name: _____ Date: _____

Use the following to answer questions 1-4:

Convert the following (round your answer to the nearest whole degree):

1. 32 degrees Celsius = _____ degrees Fahrenheit
 - A) 99 degrees
 - B) 90 degrees
 - C) 95 degrees
 - D) 95 degrees

2. Normal room temperatures is 68 - 72 degrees Fahrenheit. This is _____ to _____ degrees Celsius
 - A) 20 - 22 degrees
 - B) 154 - 160 degrees
 - C) 12 - 15 degrees
 - D) 30 - 34 degrees

3. 32 degrees Celsius = _____ degrees Fahrenheit
 - A) 0 degrees
 - B) 32 degrees
 - C) 90 degrees
 - D) 72 degrees

4. Normal body temperature is approximately 37 degrees Celsius which is _____ degrees Fahrenheit
 - A) 104 degrees
 - B) 99 degrees
 - C) 101 degrees
 - D) 89 degrees

Use the following to answer questions 5-17:

Convert the following:

5. 30 ml = _____ tsp.

6. 2.2 lbs. = _____ g
7. If a prescription reads amoxicillin 250 mg/tsp. dispense 100 ml, 200 mg t.i.d. x 5d, what is the dose in ml? _____
8. 6.5 gal = _____ pints
9. 1 g = _____ mg _____ = mcg
10. 5 ml = _____ drams = _____ teaspoonfuls
11. 60 ml = _____ Tbsp. = _____ fl. oz.
12. Your classmate is 6' 1" tall and weighs 216 lbs. What is the person's height in cm and weight in kilograms?
13. An inch is _____ cm. How many inches are there in a meter?
14. Complete the following equivalencies.
_____ tsp = 1 tbsp
_____ tbsp = 1 fl oz.
_____ fl oz. = 1 cup
_____ cups = 1 pt.
_____ pts. = 1 qt.
15. Complete the following:
1 qt = _____ mL
1 L = _____ mL
1 pt. = _____ mL
2 fl oz = _____ mL

16. Density is expressed in which of the following units?
A) percent
B) mL/g
C) g/mL
D) mg/dL
17. If the density of a drug is twice that of water, it will occupy:
A) the same amount of space as an equal weight of water.
B) one-half the space of an equal weight of water.
C) twice the space as an equal weight of water.
D) the answer cannot be determined from this information.

Use the following to answer questions 18-24:

Fill in the blank for each pair of ratios to form a proportion:

18. How many tablets will be taken in 10 days if a prescription order reads metoclopramide 5 mg/tablet, two tablets TID and HS? _____
19. How many tablets will be needed if a prescription order reads zafirlukast 20 mg/tablet, one tablet BID day for 10 days? _____
20. How many tablets may be taken in 5 days if a prescription order reads Xanax 0.5 mg., one BID and HS prn anxiety? _____
21. $5/9$ and $15/$ _____
22. _____/7 and $6/42$
23. $5/10$ and $7/$ _____
24. $2/3$ and _____/12

Use the following to answer question 25:

Convert the following:

25. 4 fl. oz. = _____ ml

Use the following to answer questions 26-27:

Add the following decimal fractions and express the answer as a whole number:

26. $2 + 3 + 5 + 6.6663 + 7.501 + 12.0007 =$

27. $12.2 + 23.3 + 55.5 + 36.6 + 7.0005 + 7.7 =$

Use the following to answer questions 28-30:

Express the following decimals as percents:

28. $1.75 =$

29. $0.055 =$

30. $0.65 =$

Use the following to answer questions 31-32:

Calculate the following:

31. 15% of 20 =

32. 40% of 50 =

33. 50 g of Dextrose dissolved in 1000 mL of water

34. Sodium chloride 0.9 g in 100 mL of water.

35. 80 out of 90 =

Use the following to answer questions 36-40:

Use a calculator to multiply or divide the following numbers. Round your answers to 100ths:

36. $0.25(0.01) =$

37. $14.5(15.4) =$

38. $0.23(0.12) =$

39. $7.1(0.008) =$

40. $122.1(212.12) =$

Use the following to answer questions 41-42:

Convert the following:

41. 2 grains = _____ mg

42. 5 drams = _____ ml

Convert each of the following fractions and express the answer to a tenth:

43. $\frac{3}{4}$

44. $\frac{3}{8}$

45. 16/15

Answer Key

1. B
2. A
3. C
4. B
5. 6
6. 1000
7. 5 ml
8. 52
9. 1000, 1,000,000
10. 1, 1
11. 4, 2
12. 185 cm, 98 Kg
13. 2.54 cm, 39.4 inches
14. 3, 2, 8, 2, 2
15. 946, 1000, 473, 60
16. C
17. B
18. 80
19. 20
20. 15
21. 27
22. 1
23. 14
24. 8
25. 118.4 (rounds to 120)
26. 36.168
27. 142.3005
28. 175%
29. 5.5%
30. 65%
31. 3
32. 20
33. 5%
34. 0.9%
35. 88.9%
36. 0.0025
37. 223.3
38. 0.0276
39. 0.0568
40. 25,899.852
41. 129.6
42. 25
43. 0.8
44. 0.4

45. 1.1

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