

Test Bank for Calculate with Confidence 8th Morris

Chapter 02: Decimals
Morris: Calculate with Confidence, 8th Edition

COMPLETION

1. Change the following to a decimal. Carry division three places as indicated. Do not round off.
 $1/64 = \underline{\hspace{2cm}}$

ANS: 0.015

PTS: 1

2. Change the following to a decimal. Carry division three places as indicated. Do not round off.
 $5/18 = \underline{\hspace{2cm}}$

ANS: 0.277

PTS: 1

3. Change the following decimal to a fraction. Reduce to lowest terms if indicated.
 $7.025 = \underline{\hspace{2cm}}$

ANS: $7 \frac{1}{40}$

PTS: 1

4. Change the following decimal to a fraction. Reduce to lowest terms if indicated.
 $0.0001 = \underline{\hspace{2cm}}$

ANS: $1/10,000$

PTS: 1

5. Identify the decimal with the largest value in the following set.
 $0.6, 0.128 = \underline{\hspace{2cm}}$

ANS: 0.6

PTS: 1

6. Identify the decimal with the largest value in the following set.
 $0.7, 0.67, 0.86: \underline{\hspace{2cm}}$

ANS: 0.86

PTS: 1

7. Round off the following decimal to the nearest tenth.
 $3.539 = \underline{\hspace{2cm}}$

ANS: 3.5

PTS: 1

8. Round off the following decimal to the nearest thousandth.
 $0.6253 = \underline{\hspace{1cm}}$

ANS: 0.625

PTS: 1

9. Perform the indicated operation with decimals.
 $64.1 - 0.009 = \underline{\hspace{1cm}}$

ANS: 64.091

PTS: 1

10. Perform the indicated operation with decimals.
 $0.123 + 0.4 = \underline{\hspace{1cm}}$

ANS: 0.523

PTS: 1

11. Perform the indicated operation with decimals.
 $0.46 \times 0.17 = \underline{\hspace{1cm}}$

ANS: 0.0782

PTS: 1

12. Divide the following decimal. Express answer to nearest hundredth.
 $0.1 \div 0.375 = \underline{\hspace{1cm}}$

ANS: 0.27

PTS: 1

13. Change the following to a decimal.
 $1.25\% = \underline{\hspace{1cm}}$

ANS: 0.0125

PTS: 1

14. Indicate the largest number in the following set.
 $0.75, 0.749: \underline{\hspace{1cm}}$

ANS: 0.75

PTS: 1

15. Indicate the largest number in the following set.
0.001, 1.25, 1.09: _____

ANS: 1.25

PTS: 1

16. Perform the indicated operation with decimals.
 $0.98 + 0.76 =$ _____

ANS: 1.74

PTS: 1

17. Perform the indicated operation with decimals.
 $9.123 - 6.055 =$ _____

ANS: 3.068

PTS: 1

18. Perform the indicated operation with decimals.
 $60 \div 0.012 =$ _____

ANS: 5,000

PTS: 1

19. Perform the indicated operation with decimals.
 $66.66 \times 3.33 =$ _____

ANS: 221.9778

PTS: 1

20. Change the following decimal to a fraction. Reduce to lowest terms if indicated.
0.010 = _____

ANS: 1/100

PTS: 1

21. Change the following decimal to a fraction. Reduce to lowest terms if indicated.
0.006 = _____

ANS: 3/500

PTS: 1

22. Round off the following decimal to the nearest tenth.

$$0.52 = \underline{\hspace{2cm}}$$

ANS: 0.5

PTS: 1

23. Round off the following decimal to the nearest hundredth.

$$2.457 = \underline{\hspace{2cm}}$$

ANS: 2.46

PTS: 1

24. Round off the following decimal to the nearest tenth.

$$28.66 = \underline{\hspace{2cm}}$$

ANS: 28.7

PTS: 1

25. Round off the following decimal to the nearest tenth.

$$1.45 = \underline{\hspace{2cm}}$$

ANS: 1.5

PTS: 1

26. Round off the following decimal to the nearest thousandth.

$$0.3333 = \underline{\hspace{2cm}}$$

ANS: 0.333

PTS: 1

27. A client weighed 75.4 kilograms (kg) in February. In March the client gained 1.6 kg. In April the client gained 2.2 kg. How much did the client weigh in April? _____

ANS: 79.2 kg

PTS: 1

28. A client weighed 165.4 pounds (lb) before getting ill. After a lengthy recovery the client weighed 148.6 lb. How much weight did the client lose? _____

ANS: 16.8 lb

PTS: 1

29. A medication vial holds 7 milliliters (mL) of medication. If 1.4 mL are withdrawn from the vial, how much medication is left in the vial? _____

ANS: 5.6 mL

PTS: 1

30. A client is brought into the emergency department with a body temperature of 95.2° F. If the normal body temperature is 98.6° F, how far below normal was the client's temperature? _____° F.

ANS: 3.4

PTS: 1

31. A client received 25.2 milligrams (mg) of medication in tablet form. Each tablet contained 4.2 mg of medication. How many tablets (tabs) were given to the client? _____

ANS: 6 tabs

PTS: 1

32. A client received 0.375 milligrams (mg) of a medication for two days, 0.125 mg for three days, and 0.0625 mg for four days. What is the total amount of medication taken? _____

ANS: 1.375 mg

PTS: 1

33. The health care provider ordered 1.5 tablets of a medication to be given to a client four times a day for 21 days. How many tablets were prescribed? _____

ANS: 126 tablets

PTS: 1

34. One dose of vaccine is 1.25 milliliters (mL). How much vaccine is needed to vaccinate 55 clients in a clinic? (Round answer to the nearest tenth.) _____

ANS: 68.8 mL

PTS: 1

35. The health care provider has ordered a 2,200 calorie (cal) diet for a client. If the calories are spread evenly among three meals, how many calories will the client be allowed to have at each meal? (Round answer to the nearest whole calorie.) _____

ANS: 733 cal

PTS: 1

36. A client's temperature was 101.2° F on Monday morning. By Monday afternoon, it was 99.4° F. By how many degrees had the client's temperature changed? _____

ANS: 1.8 degrees

PTS: 1

37. A client weighed 65.75 kilograms (kg). The client's weight increased by 2.4 kg one month and decreased by 1.75 kg the next month. What is the client's current weight in kilograms?

ANS: 66.4 kg

PTS: 1

38. There are 27 residents at an assisted-living facility. If there are four attendants on duty, how many residents is each attendant responsible for? (Round to the nearest whole number.)

ANS: 7 residents

PTS: 1

39. The prescriber ordered 45 milligrams (mg) of a medication for a client. The nurse misread the order and administered 4.5 mg of medication to the client. How much more medication should the client be given to give the dose the prescriber ordered? _____

ANS: 4.5 mg

PTS: 1

40. A client received a total of 14.5 milligrams (mg) of medication from five tablets. How many mg was in each tablet? _____

ANS: 2.9 mg

PTS: 1