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SKU: 9781337796965-TEST-BANK

Name:_____ Class:_____ Date:_____

Chapter 02: Mathematics: Reviewing the Basics

True / False

1. The decimal point separates the fraction of the whole number from the whole number itself.
   a. True
   b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 8:58 PM
DATE MODIFIED: 2/21/2019 9:00 PM

2. A rate is defined as the number of times something happens divided by the number of times it could happen.
   a. True
   b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:05 PM
DATE MODIFIED: 2/21/2019 9:07 PM

3. A percentage is a fraction expressed in hundredths.
   a. True
   b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:05 PM
DATE MODIFIED: 2/21/2019 9:07 PM

4. An average is the value obtained by subtracting the sum of a set of numbers by the numbers of values.
   a. True
   b. False

ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:06 PM
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5. The average is the sum of all scores divided by the number of all values involved.
   a. True

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b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:07 PM
DATE MODIFIED: 2/21/2019 9:07 PM

6. The rule to round up is if the last digit is six or greater, you should round up.
   a. True
   b. False

ANSWER: False
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:07 PM
DATE MODIFIED: 2/21/2019 9:14 PM

7. The rule to rounding is if the last digit is 4 or less, the number remains the same.
   a. True
   b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:08 PM
DATE MODIFIED: 2/21/2019 9:08 PM

8. To convert a decimal to a percentage you could multiply the decimal by 100.
   a. True
   b. False

ANSWER: True
POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:09 PM
DATE MODIFIED: 2/21/2019 9:09 PM

9. Converting a percentage to a decimal can be done by crossing out the percent sign and move the decimal point two places to the left.
   a. True
   b. False

ANSWER: True

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POINTS: 1
QUESTION TYPE: True / False
HAS VARIABLES: False
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Multiple Choice

10. Which of the following terms is not synonymous with the others?
    a. Rate
    b. Ratio
    c. Average
    d. Proportion

ANSWER: c
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:16 PM
DATE MODIFIED: 2/21/2019 9:17 PM

11. Which is the correct term for the upper number in a fraction?
    a. Numerator
    b. Denominator
    c. Quotient
    d. Mean

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:17 PM
DATE MODIFIED: 2/21/2019 9:19 PM

12. Which is the correct term for the lower number in a fraction?
    a. Numerator
    b. Denominator
    c. Quotient
    d. Mean

ANSWER: b
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:23 PM
DATE MODIFIED: 2/21/2019 9:24 PM

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13. Which is the correct definition of quotient?
    a. Number resulting from dividing the upper number by the lower number
    b. The upper number in a fraction
    c. The lower number in a fraction
    d. The average of a group of scores

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:24 PM
DATE MODIFIED: 2/21/2019 9:25 PM

14. The correct way to increase the value of a fraction is to ____.
    a. increase the numerator or decrease the denominator
    b. increase the denominator or decrease the numerator
    c. both a and b
    d. none of the above

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:26 PM
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15. The correct way to decrease the value of a fraction is to ____.
    a. decrease the numerator or increase the denominator
    b. decrease the denominator or increase the numerator
    c. both a and b
    d. none of the above

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:56 PM
DATE MODIFIED: 2/21/2019 9:57 PM

16. Which term would be applied to a comparison of the number of female patients to the number of male patients who were discharged during the month of September?
    a. Ratio
    b. Percentage
    c. Portion
    d. Rate

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ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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DATE MODIFIED: 2/21/2019 9:59 PM

17. If there are 12 males in a class of 40 students, which term could be used to describe the comparison?
    a. Ratio
    b. Percentage
    c. Proportion
    d. Rate

ANSWER: c
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 9:59 PM
DATE MODIFIED: 2/21/2019 10:01 PM

18. The correct method to convert a fraction to percentage is to ____.
    a. divide the numerator by the denominator, multiply by 100, and add a percent sign
    b. divide the numerator by the denominator
    c. divide the denominator by the numerator, multiply by 100, and add a percent sign
    d. divide the denominator by the numerator

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:01 PM
DATE MODIFIED: 2/21/2019 10:02 PM

19. The correct method to convert a ratio to a percentage is to ____.
    a. divide the fraction, multiply the quotient by 100, and add a percent sign
    b. divide the fraction
    c. multiply the fraction, divide the quotient by 100, and add a percent sign
    d. multiply the fraction

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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20. To convert a decimal to a percentage you should ____.
    a. move the decimal point one place to the right of the decimal point, and add a percent sign
    b. move the decimal point three places to the right of the decimal point, and add a percent sign
    c. leave as is
    d. multiply the decimal by one hundred (which moves the decimal point two spaces to the right), and add a percent sign

ANSWER: d
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:14 PM
DATE MODIFIED: 2/21/2019 10:16 PM

21. To convert a percentage to a decimal, if the percentage is only one digit, you should ____.
    a. place a 0 in front of it and place the decimal point in front of the 0
    b. place a 0 in front of it
    c. place a 0 in back of it and place the decimal point in back of the 0
    d. place a 0 in front of it and place the decimal point in back of the 0

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:17 PM
DATE MODIFIED: 2/21/2019 10:19 PM

22. Record the quotient of 75/100 to two decimal places.
    a. 0.25
    b. 0.65
    c. 0.75
    d. 0.85

ANSWER: c
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:19 PM
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23. Record the quotient of 64/5 to three decimal places.
    a. 12.800
    b. 12.850
    c. 1.800
    d. 2.800

ANSWER: a

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POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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24. Convert the fraction 32/78 to a percentage.
    a. 40%
    b. .40
    c. 41%
    d. None of the above
ANSWER: c
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:35 PM
DATE MODIFIED: 2/21/2019 10:37 PM

25. Convert the fraction 5/8 to a percentage to one decimal place.
    a. 62.5%
    b. 62.58%
    c. 63.7%
    d. None of the above
ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:38 PM
DATE MODIFIED: 2/21/2019 10:42 PM

26. Determine the percentage of 8/1000.
    a. 0.08%
    b. 0.8%
    c. .80%
    d. None of the above
ANSWER: b
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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27. Round 40.636 to two decimal places.

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a. 40.64
b. 41.64
c. 41.00
d. 40.00

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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DATE MODIFIED: 2/21/2019 10:48 PM

28. Determine the decimal equivalent of 8/800.
a. 0.01
b. 0.001
c. 001
d. None of the above

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:48 PM
DATE MODIFIED: 2/21/2019 10:49 PM

29. Round 25.536 to two decimal places.
a. 25.54
b. 25.53
c. 25.50
d. None of the above

ANSWER: a
POINTS: 1
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:49 PM
DATE MODIFIED: 2/21/2019 10:51 PM

30. Round 500.499 to the nearest whole number.
a. 499
b. 500
c. 501
d. None of the above

ANSWER: b
POINTS: 1
QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False
DATE CREATED: 2/21/2019 10:52 PM
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Numeric Response

31. Determine the decimal equivalent of 7/1000.
ANSWER: .007
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:41 PM
DATE MODIFIED: 2/22/2019 11:41 PM

32. Thirty-eight patients were evaluated during the past year for mononucleosis and 10 cases were confirmed. What percentage of the tests were positive? Round your answers to two decimal places.
ANSWER: 26.32%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:41 PM
DATE MODIFIED: 2/22/2019 11:42 PM

33. Convert the fraction 5/8 to a percentage to one decimal place.
ANSWER: 62.5%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:43 PM
DATE MODIFIED: 2/22/2019 11:44 PM

34. Round 34.799 to two decimal places.
ANSWER: 34.80
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:44 PM
DATE MODIFIED: 2/22/2019 11:44 PM

35. Round 400.6 to the nearest whole number.
ANSWER: 401
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False

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36. Convert the ratio 30:40 to a percentage.
ANSWER: 75%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:53 PM
DATE MODIFIED: 2/22/2019 11:53 PM

37. Convert the ratio 2:40 to a percentage.
ANSWER: 5%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:57 PM
DATE MODIFIED: 2/22/2019 11:58 PM

38. During July, the physical therapy (PT) department reported therapists administered a total of 1,507 treatments. Determine the average number of daily treatments administered by the PT department in July to two decimal places.
ANSWER: 48.61
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:58 PM
DATE MODIFIED: 2/22/2019 11:58 PM

39. There were 238 newly diagnosed cancers reported in the past year by the cancer registrar. Of these, 51 were breast cancer. What percentage of cases were breast cancer? Round to two decimal places.
ANSWER: 21.43%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/22/2019 11:58 PM
DATE MODIFIED: 2/22/2019 11:59 PM

40. Convert the fraction 8/16 to a percentage to one decimal place.
ANSWER: 50.0%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
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41. Convert the fraction 20/30 to a percentage to one decimal place.
ANSWER: 66.7%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:00 AM
DATE MODIFIED: 2/23/2019 12:00 AM

42. Convert the fraction 6/60 to a percentage to one decimal place.
ANSWER: 10.0%
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:00 AM
DATE MODIFIED: 2/23/2019 12:01 AM

43. Round 40.6 to the nearest whole number.
ANSWER: 41
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:01 AM
DATE MODIFIED: 2/23/2019 12:01 AM

44. Round 7051.4 to the nearest whole number.
ANSWER: 7051
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:01 AM
DATE MODIFIED: 2/23/2019 12:02 AM

45. Record the quotient to two decimal places for 64/5.
ANSWER: 12.80
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:02 AM
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46. Record the quotient to two decimal places for 12345/22.
ANSWER: 561.14
POINTS: 1

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QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:03 AM
DATE MODIFIED: 2/23/2019 12:03 AM

47. Record the quotient to two decimal places for 100/45.
ANSWER: 2.22
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:03 AM
DATE MODIFIED: 2/23/2019 12:03 AM

48. Record the quotient to two decimal places for 18/25.
ANSWER: 0.72
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:03 AM
DATE MODIFIED: 2/23/2019 12:04 AM

49. Record the quotient to two decimal places for 7/9.
ANSWER: 0.78
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:04 AM
DATE MODIFIED: 2/23/2019 12:04 AM

50. Round 40.666 to two decimal places.
ANSWER: 40.67
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:04 AM
DATE MODIFIED: 2/23/2019 12:05 AM

51. Round 40.0449 to two decimal places.
ANSWER: 40.04
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:05 AM

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52. Round 40.495 to two decimal places.
ANSWER: 40.50
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:05 AM
DATE MODIFIED: 2/23/2019 12:06 AM

53. Round 34.799 to two decimal places.
ANSWER: 34.80
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:06 AM
DATE MODIFIED: 2/23/2019 12:06 AM

54. Determine the decimal equivalent of 5/100.
ANSWER: 0.05
POINTS: 1
QUESTION TYPE: Numeric Response
HAS VARIABLES: False
DATE CREATED: 2/23/2019 12:07 AM
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