Mathematics for the Clinical Laboratory 4th edition Doucette Test Bank

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Test Bank - Chapter 01

Q: What is the sum of 9.2 + 7.7 + 2.3?

A. 3.8
B. 14.6
C. 19.2 (Correct)
D. 19.6

Q: What is the sum of 4.3 + 2.6?

A. 6.9 (Correct)
B. 9.6
C. 11.2
D. 16.5

Q: What is the sum of (–7) + (–8)?

A. –1
B. +1
C. –15 (Correct)
D. +15

Q: What is the sum of (–9) + (+15)?

A. –24
B. +6 (Correct)
C. –6
D. +24

Q: What is the sum of (–14) + (+9)?

A. –5 (Correct)
B. +5
C. –23
D. +23

Q: What is the sum of (–3) + (+17)?

A. –20
B. +20
C. –14
D. +14 (Correct)

Q: What is the sum of (+44) + (–22) + (+19) + (–4)?

A. +37 (Correct)
B. –37
C. +49
D. –49

Q: Solve the following equation: (+66) – (–14) – (+12) – (+7).

A. –40
B. +47
C. +61 (Correct)
D. –99

Q: Using ratio and proportion, the fraction 3⁄4 is equivalent to

A. 9/15
B. 5/16
C. 6/8 (Correct)
D. 2/4

Q: The fraction 1/25 is equivalent to what fraction with a denominator of 200?

A. 2/200
B. 4/200
C. 6/200
D. 8/200 (Correct)

Q: The fraction 0.5/10 is equivalent to

A. 1/2
B. 1/5
C. 1/10
D. 1/20 (Correct)

Q: Write the following in percentage form: 0.15.

A. 1.5%
B. 15% (Correct)
C. 150%
D. 1500%

Q: Write the following in percentage form: 0.111.

A. 1.11%
B. 11.1% (Correct)
C. 111%
D. 1110%

Q: Write the following in decimal form: 32%.

A. 0.032
B. 0.0032
C. 0.32 (Correct)
D. 3.2

Q: Write the following in decimal form: 75%.

A. 0.75 (Correct)
B. 0.0075
C. 7.5
D. 75.0

Q: If the number 0.5734 is rounded to three significant figures, what will be the new number?

A. 0.573 (Correct)
B. 0.574
C. 0.5734
D. 5.734

Q: If the number 22.81 is rounded to three significant figures, what will be the new number?

A. 22
B. 22.8 (Correct)
C. 22.81
D. 22.80

Q: If the number 6.473 is rounded to three significant figures, what will be the new number?

A. 6.47 (Correct)
B. 6.573
C. 6.48
D. 64.8

Q: If the number 4.37768 is rounded to four significant figures, what will be the new number?

A. 4.377
B. 4.378 (Correct)
C. 4.376
D. 4.379

Q: If the number 5.569 is rounded to two significant figures, what will be the new number?

A. 5.5
B. 5.6 (Correct)
C. 5.4
D. 5.7

Q: If the number 4.625 is rounded to three significant figures, what is the new number?

A. 4.62 (Correct)
B. 4.63
C. 4.64
D. 4.65

Q: If the number 7.435 is rounded to three significant figures, what is the new number?

A. 7.43
B. 7.44 (Correct)
C. 7.45
D. 7.46

Q: The number 252.13 has how many significant figures?

A. Two

B. Three
C. Four
D. Five (Correct)

Q: The number 326 has how many significant figures?

A. Two
B. Three (Correct)
C. Four
D. Five

Q: The number 279.03 has how many significant figures?

A. Two
B. Three
C. Four
D. Five (Correct)

Q: The number 0.05706 has how many significant figures?

A. Two
B. Three
C. Four (Correct)
D. Five

Q: The number 0.78330 has how many significant figures?

A. Two
B. Three
C. Four
D. Five (Correct)

Q: The number 826.00 has how many significant figures?

A. Two
B. Three
C. Four
D. Five (Correct)

Q: Solve the following equation using the rules for rounding numbers and significant figures: 0.087 – 0.012 = ?

A. 0.08
B. 0.075 (Correct)
C. 0.099
D. 0.10

Q: Solve the following equation using the rules for rounding numbers and significant figures: (+38) – (+45) = ?

A. +7
B. –7 (Correct)
C. +83

D. –83

Q: Solve the following equation using the rules for rounding numbers and significant figures: (–24) – (–16) = ?

A. +8
B. –8 (Correct)
C. +40
D. –40

Q: Solve the following equation using the rules for rounding numbers and significant figures: (–5) – (–2) = ?

A. –3 (Correct)
B. +3
C. +7
D. –7

Q: Solve the following equation using the rules for rounding numbers and significant figures: (–17) – (+18) = ?

A. –1
B. +1
C. –35 (Correct)
D. +35

Q: Solve the following equation using the rules for rounding numbers and significant figures: (–4) – (–1) = ?

A. –1
B. +1
C. +3
D. –3 (Correct)

Q: Solve the following equation using the rules for rounding numbers and significant figures: 4.5 × 1.2 = ?

A. 5.1
B. 3.75
C. 5.4 (Correct)
D. 5.7

Q: Solve the following equation using the rules for rounding numbers and significant figures: 144.2 × 3.21 = ?

A. 462.882
B. 462.88
C. 462.9
D. 463 (Correct)

Q: Solve the following equation using the rules for rounding numbers and significant figures: 6.742 × 1.58 = ?

A. 10.6 (Correct)

B. 10.65
C. 8.32
D. 4.27

Q: Solve the following equation using the rules for rounding numbers and significant figures: (1.4) × (2.5) = ?

A. 3.50
B. +3.5 (Correct)
C. 1.1
D. +3.9

Q: Solve the following equation using the rules for rounding numbers and significant figures: (5.8) × (9.3) = ?

A. 54 (Correct)
B. 53.9
C. 53.94
D. 58

Q: Solve the following equation using the rules for rounding numbers and significant figures: (15) × (+4) = ?

A. 19
B. +60.0
C. 60 (Correct)
D. 45

Q: Solve the following equation using the rules for rounding numbers and significant figures: (67.3) × (+8.44) = ?

A. 58.9
B. +568.0
C. 568 (Correct)
D. 568.012

Q: Solve the following equation using the rules for rounding numbers and significant figures: (45.6) ÷ (+3.1) = ?

A. 14.7
B. 14
C. 15 (Correct)
D. +17

Q: If the digit to be dropped is less than 5, then the preceding digit stays the same.

A. True (Correct)
B. False

Q: If the digit to be dropped is more than 5, then the preceding digit is rounded down.

A. True
B. False (Correct)

Q: If the digit to be dropped is equal to 5, then the preceding digit is not rounded if it is an even number.

A. True (Correct)

B. False