Mathematics - Journey from Basic Mathematics through Intermediate Algebra 2nd edition Aufmann Test Bank

SKU: 9798214000442-TEST-BANK

Name:_____ Class:_____ Date:_____

Section 1.1 - Introduction to Whole Numbers

1. Place the correct symbol, < or >, between the two numbers: 3, 23.

a. 3 > 23
b. 3 < 23

ANSWER: b

2. Place the correct symbol, < or >, between the two numbers: 364, 354.

a. 364 > 354
b. 364 < 354

ANSWER: a

3. Place the correct symbol, < or >, between the two numbers: 3,565, 3,556.

a. 3,565 > 3,556
b. 3,565 < 3,556

ANSWER: a

4. Write 9,087 in expanded form.

a. 9,000 + 87
b. 9,000 + 80 + 7
c. 90,000 + 800 + 70
d. 90,000 + 80 + 7
e. 9 + 80 + 7,000

ANSWER: b

5. Write 5,327 in words.

a. Five thousand three hundred twenty-seven
b. Three thousand seven hundred twenty-five
c. Seven thousand five hundred twenty-three
d. Five hundred three thousand twenty-seven
e. Three hundred seven thousand twenty-five

ANSWER: a

6. Write two hundred sixty-five thousand eight hundred ninety-seven in standard form.

a. 972,658
b. 658,972
c. 268,597
d. 897,265
e. 265,897

ANSWER: e

7. If we round 7,426 to the nearest ten, we get 7,430.

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Section 1.1 - Introduction to Whole Numbers

a. True
b. False

ANSWER: True

8. Round 94,753 to the nearest ten.

a. 94,700
b. 94,760
c. 90,000
d. 94,750
e. 94,800

ANSWER: d

9. Round $252,763 to the nearest $100.

$_____

ANSWER: 252,800

10. The circle graph below shows the results of a survey of 150 people who were asked, "What bothers you most about movie theaters?". What was the least often mentioned complaint?



Distribution of Responses in a Survey

a. People Talking
b. Uncomfortable Seats
c. Hight Food Prices
d. Dirty Floors
e. None of these

ANSWER: b

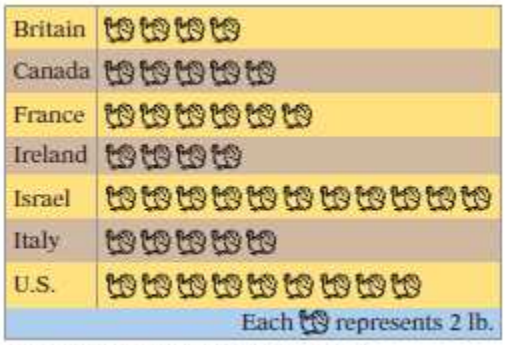
11. The figure below shows the annual per capita turkey consumption in different countries. What is the annual per capita turkey consumption in Ireland?

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Name:_____ Class:_____ Date:_____

Section 1.1 - Introduction to Whole Numbers



Per Capita Turkey Consumption

a. 2

b. 22

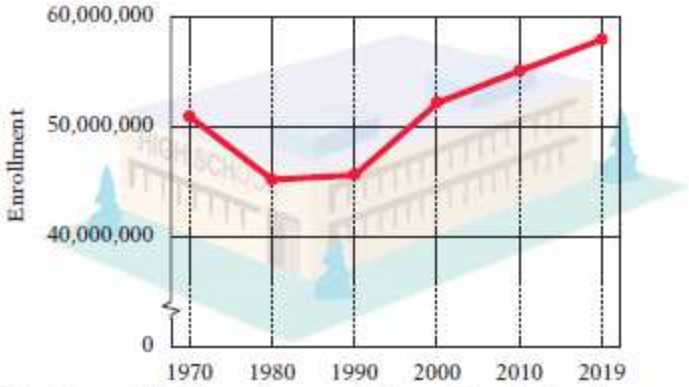
c. 4

d. 8

e. None of these

ANSWER: c

12. Actual or projected student enrollment in elementary and secondary schools in the United States for selected years is shown in the figure below. The jagged line at thebottom of the vertical axis indicates that this scale is missing the tens of millions from 0 to 40,000,000. Did enrollment increase or decrease between 2010 and 2019?



Enrollment in Elementary and Secondary Schools

a. Decreased

b. Increased

c. None of these

ANSWER: b

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Name:_____ Class:_____ Date:_____

Section 1.2 - Addition and Subtraction of Whole Numbers

1. Add.

$$\begin{array}{r} 97 \\ +\ 27 \\ \hline \end{array}$$

a. 124
b. 114
c. 134
d. 126
e. 125

ANSWER: a

2. Add.

$(98 + 16) + 37$

a. 150
b. 141
c. 152
d. 161
e. 151

ANSWER: e

3. Add.

$(4{,}239 + 217) + 5{,}232$

a. 5,450
b. 4,457
c. 5,449
d. 9,688
e. 9,689

ANSWER: d

4. Subtract:

$$\begin{array}{r} 78 \\ -\ 36 \\ \hline \end{array}$$

a. 43
b. 41
c. 52
d. 53
e. 42

ANSWER: e

5. Subtract.

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Section 1.2 - Addition and Subtraction of Whole Numbers

$$\begin{array}{r} 419 \\ -\ 376 \\ \hline \end{array}$$

a. 43
b. 44
c. 45
d. 33
e. 42

ANSWER: a

6. Subtract.

$$\begin{array}{r} 29{,}301 \\ -\ 10{,}006 \\ \hline \end{array}$$

a. 19,295
b. 19,395
c. 19,305
d. 18,285
e. 18,295

ANSWER: a

7. You have $630 in your checking account. If you write a check for $422, how much is left in your checking account?

a. 308
b. 218
c. 197
d. 209
e. 208

ANSWER: e

8. The Dead Sea is approximately thirteen hundred ten feet below sea level. Suppose that you are standing six hundred two feet above the Dead Sea. Use the addition of integers to describe this situation and to determine your elevation.

a. –1,006 feet
b. 1,084 feet
c. –708 feet
d. 514 feet
e. 193 feet

ANSWER: c

9. You had a credit card balance of $144 before you used the card to purchase sunglasses for $117 and T-shirt for $28. You then made a payment to the credit card company of $210. Find your new credit card balance.

a. 299
b. 198

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Section 1.2 - Addition and Subtraction of Whole Numbers

c. 408
d. 209
e. 208

ANSWER: d

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Name:_____ Class:_____ Date:_____

Section 1.3 - Multiplication and Division of Whole Numbers

1. Multiply.

$7 \cdot 8$

a. 15
b. 56
c. 78
d. 8
e. 7

ANSWER: b

2. Multiply.

$25 \cdot 33 \cdot 3$

a. 2,376
b. 2,485
c. 2,584
d. 2,386
e. 2,475

ANSWER: e

3. Multiply.

$$\begin{array}{r} 475 \\ \times \quad 7 \\ \hline \end{array}$$

a. 3,225
b. 3,325
c. 3,326
d. 3,315
e. 3,425

ANSWER: b

4. Divide.

$\frac{25}{1} =$

a. 0
b. 25
c. 24
d. 1
e. undefined

ANSWER: b

5. True or false?

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Section 1.3 - Multiplication and Division of Whole Numbers

$36 \div 3 = 12$

a. True
b. False

ANSWER: True

6. Divide.

$2{,}500 \div 20$

a. 225
b. 124
c. 2,520
d. 2,480
e. 125

ANSWER: e

7. Rob Hill owns a compact car that averages 48 miles on 1 gallon of gas. How many miles could the car travel on 14 gallons of gas?

a. 772
b. 662
c. 672
d. 686
e. 632

ANSWER: c

8. The area of a rectangle is equal to the product of the length of the rectangle times its width. Find the area of a rectangle that has a length of 42 meters and a width of 12 meters.

a. 494 square meters
b. 504 square meters
c. 464 square meter
d. 604 square meter
e. 514 square meter

ANSWER: b

9. For a new neighborhood, 1,314 acres of land will be split into 6 lots. How many acres of land will each lot have?

a. 37 acres
b. 206 acres
c. 224 acres
d. 219 acres
e. 36 acres

ANSWER: d

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Section 1.3 - Multiplication and Division of Whole Numbers

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Section 1.4 - Exponential Notation and the Order of Operations Agreement

1. Write in exponential form.

$2 \cdot 2 \cdot 6 \cdot 6 \cdot 6 \cdot 9 \cdot 9 \cdot 9 \cdot 9$

a. $2^2 \cdot 6^2 \cdot 9^3$

b. $2^3 \cdot 6^3 \cdot 9^4$

c. $2^2 \cdot 6^3 \cdot 9^4$

d. $2 \cdot 6 \cdot 9$

e. $2^4 \cdot 6^3 \cdot 9^2$

ANSWER: c

2. Simplify the numerical expression.

$-\left(\frac{1}{3}\right)^{-3}$

a. 9

b. $-\frac{1}{27}$

c. -27

d. $-\frac{1}{9}$

e. 64

ANSWER: c

3. Simplify the numerical expression.

$10^4 \cdot 10^{-7}$

a. 100,000

b. $\frac{1}{10,000}$

c. $\frac{1}{100,000}$

d. $\frac{1}{1,000}$

e. 1,000

ANSWER: d

4. Evaluate the expression.

$7 + (8 - 4) \cdot 2$

a. 16

b. 14

c. 31

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Section 1.4 - Exponential Notation and the Order of Operations Agreement

d. 15
e. 11

ANSWER: d

5. Evaluate the expression.

$$\frac{100-(30-3\cdot 10)}{8^2-(5+3^2)}$$

a. 4.5
b. 12
c. 5
d. –1
e. 2

ANSWER: e

6. Evaluate the expression.

$$\frac{12\cdot 7-20(3\cdot 8-23)}{4(3+2)-3^2+5}$$

a. –1
b. 7
c. 9
d. 4
e. 3

ANSWER: d

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