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SKU: 9780134707648-TEST-BANK

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Represent the quantity by an integer.

1) 169 feet below sea level
A) –169 B) 169
Answer: A

2) 22° below zero
A) 22 B) –22
Answer: B

3) $325 profit
A) 325 B) –325
Answer: A

4) 5–pound gain
A) –5 B) 5
Answer: B

5) losing 21 cents
A) –21 B) 21
Answer: A

6) $3,610 in debt
A) 3,610 B) –3,610
Answer: B

7) The team gave up 20 points.
A) –20 B) 20
Answer: A

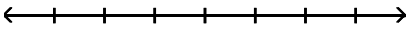
8) a deposit of $388.16 in your checkbook
A) –388.16 B) 388.16
Answer: B

9) a climb of 128 feet down into a subterranean cave
A) –128 B) 128
Answer: A

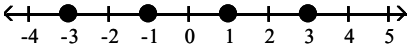
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Graph the numbers on the number line.

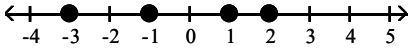
10) –3, –1, 1, 3



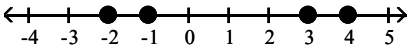
A)



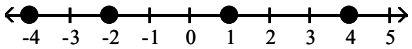
B)



C)



D)

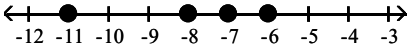


Answer: A

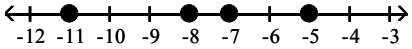
11) –11, –9, –7, –5



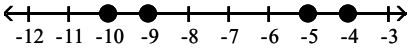
A)



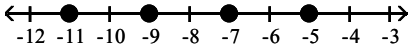
B)



C)



D)



Answer: D

Insert < or > to make the statement true.

12) –8 _____ 1

A) $-8 > 1$ B) $-8 < 1$

Answer: B

13) –61 _____ 92

A) $-61 < 92$ B) $-61 > 92$

Answer: A

14) –9 _____ –96

A) $-9 < -96$ B) $-9 > -96$

Answer: B

15) 5 _____ 0

A) $5 < 0$ B) $5 > 0$

Answer: B

16) 0 _____ 6

A) $0 > 6$ B) $0 < 6$

Answer: B

17) –9 _____ 9

A) $-9 > 9$ B) $-9 < 9$

Answer: B

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18) -5 _____ 0

A) $-5 < 0$ B) $-5 > 0$

Answer: A

19) 0 _____ -5

A) $0 < -5$ B) $0 > -5$

Answer: B

Simplify.

20) $|15|$

A) -15 B) 15 C) 30 D) 0

Answer: B

21) $|-8|$

A) 8 B) 0 C) -8 D) 16

Answer: A

22) $|0|$

A) -1 B) 1 C) 0 D) does not exist

Answer: C

23) $|51|$

A) $\frac{1}{51}$ B) 51 C) -51 D) 0

Answer: B

24) $|155|$

A) $\frac{1}{155}$ B) -155 C) 155 D) 0

Answer: C

25) $|-63|$

A) 0 B) 63 C) -63 D) $\frac{1}{63}$

Answer: B

Find the opposite of the integer.

26) 2

A) -1 B) -2 C) 0 D) 2

Answer: B

27) -8

A) -8 B) 0 C) -1 D) 8

Answer: D

28) 29

A) 29 B) -29 C) 1 D) 0

Answer: B

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29) –28

A) 28 B) 0 C) –1 D) –28

Answer: A

30) 0

A) 1 B) 0 C) –1 D) does not exist

Answer: B

31) 126

A) 126 B) –1 C) 0 D) –126

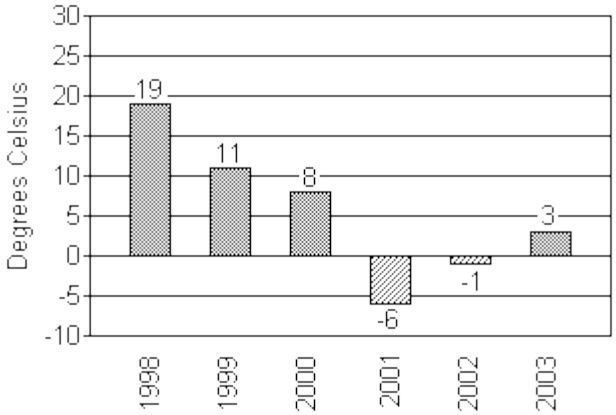
Answer: D

32) –137

A) –137 B) 137 C) –1 D) 0

Answer: B

The bar graph below shows the temperatures recorded as the high temperature in Little City on Brianna's birthday for the indicated years.



33) In which year was the temperature closest to 0° C?

A) 2002 B) 2001 C) 2003 D) 1998

Answer: A

34) In which year was the recorded temperature the highest?

A) 2003 B) 2001 C) 2002 D) 1998

Answer: D

35) In which year was the temperature closest to 5° C?

A) 2002 B) 2003 C) 2000 D) 2001

Answer: B

Simplify.

36) $-|17|$

A) –17 B) –1 C) 17 D) 1

Answer: A

37) $-|61|$

A) 60 B) 61 C) –60 D) –61

Answer: D

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38) $-|-21|$

A) 1 B) 21 C) −1 D) −21

Answer: D

39) $-(-4)$

A) 0 B) 4 C) −4 D) −5

Answer: B

Evaluate.

40) $|-x|$ if $x = -14$

A) 1 B) 14 C) −14 D) −1

Answer: B

41) $-|x|$ if $x = -11$

A) −1 B) 11 C) 1 D) −11

Answer: D

42) $-|-x|$ if $x = 8$

A) −8 B) 1 C) −1 D) 8

Answer: A

Insert <, >, or = between the pair of numbers to make a true statement.

43) $|-3|$ _____ $|-14|$

A) > B) = C) <

Answer: C

44) $|-41|$ _____ $-(-41)$

A) > B) < C) =

Answer: C

45) $-|23|$ _____ $-(-23)$

A) = B) < C) >

Answer: B

46) 0 _____ −2

A) = B) < C) >

Answer: C

47) 0 _____ $|-59|$

A) = B) > C) <

Answer: C

48) $-|-18|$ _____ $-|-26|$

A) < B) > C) =

Answer: B

49) $-(-5)$ _____ $-(-29)$

A) = B) < C) >

Answer: B

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50) -7 _____ $-(-31)$

A) $<$ B) $=$ C) $>$

Answer: A

Fill in the chart.

51)

Number	Absolute Value of Number	Opposite of Number
18		
-44		

A)

Number	Absolute Value of Number	Opposite of Number
18	-18	-18
-44	44	44

B)

Number	Absolute Value of Number	Opposite of Number
18	18	-18
-44	44	44

C)

Number	Absolute Value of Number	Opposite of Number
18	18	-18
-44	-44	44

D)

Number	Absolute Value of Number	Opposite of Number
18	18	18
-44	44	-44

Answer: B

Write the given integers in order from least to greatest.

52) $-(-2)$, 4^2, -14, $-|-6|$, $|-15|$

A) $|-15|$, -14, $-|-6|$, $-(-2)$, 4^2

B) -14, $-|-6|$, $-(-2)$, $|-15|$, 4^2

C) -14, $-|-6|$, $-(-2)$, 4^2, $|-15|$

D) -14, $|-15|$, $-|-6|$, $-(-2)$, 4^2

Answer: B

53) $|-1|$, $-|-7|$, $-(-7)$, $-|1|$

A) $-(-7)$, $|-1|$, $-|1|$, $-|-7|$

B) $-|-7|$, $|-1|$, $-|1|$, $-(-7)$

C) $-|-7|$, $-|1|$, $|-1|$, $-(-7)$

D) $-(-7)$, $-|1|$, $|-1|$, $-|-7|$

Answer: C

54) 2^2, $-|1|$, $-(-7)$, $-|-11|$

A) $-|-11|$, $-(-7)$, $-|1|$, 2^2

B) $-|-11|$, $-|1|$, 2^2, $-(-7)$

C) $-|1|$, $-|-11|$, 2^2, $-(-7)$

D) $-(-7)$, 2^2, $-|1|$, $-|-11|$

Answer: B

Choose all numbers for x from the given list that make the statement true.

55) $|x| > 9$; 0, 9, -8, -10

A) 0, 9, -8 B) -10 C) 9, -10 D) 0, -8

Answer: B

Evaluate.

56) $-(-|-6|)$

A) 1 B) -6 C) -1 D) 6

Answer: D

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57) $-(-|-(-6)|)$

A) 1 B) 6 C) −1 D) −6

Answer: B

Determine whether the statement is true or false.

58) If $a > b$, then a must be a positive number.

A) True B) False

Answer: B

59) The absolute value of a number is always a positive number.

A) True B) False

Answer: B

60) A positive number is always greater than a negative number.

A) True B) False

Answer: A

61) Zero is always less than a positive number.

A) True B) False

Answer: A

62) Zero is always less than a negative number.

A) True B) False

Answer: B

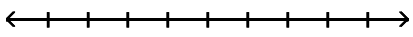
63) The number $-a$ is always a negative number.

A) True B) False

Answer: B

Add the numbers using the number line.

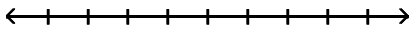
64) $5 + (-3)$



A) −2 B) −8 C) 8 D) 2

Answer: D

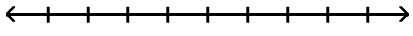
65) $-3 + 1$



A) 2 B) −2 C) −4 D) 4

Answer: B

66) $-7 + 0$

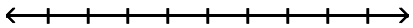


A) 0 B) −70 C) −7 D) 7

Answer: C

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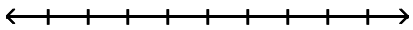
67) –10 + (–6)



A) 16 B) 4 C) –16 D) –4

Answer: C

68) 4 + (–3)



A) 7 B) 1 C) –1 D) –7

Answer: B

Add.

69) 23 + 33

A) 55 B) –10 C) 56 D) 57

Answer: C

70) 35 + 26

A) 62 B) 9 C) 61 D) 60

Answer: C

71) 4 + (–1)

A) 5 B) –3 C) 3 D) –5

Answer: C

72) –7 + 8

A) –1 B) –15 C) 15 D) 1

Answer: D

73) 46 + (–100)

A) 146 B) 54 C) –146 D) –54

Answer: D

74) 7 + (–7)

A) –7 B) 0 C) 7 D) 14

Answer: B

75) –70 + 88

A) –18 B) 158 C) –158 D) 18

Answer: D

76) –26 + 0

A) –260 B) –26 C) 26 D) 0

Answer: B

77) –38 + (–91)

A) –129 B) 129 C) –53 D) 53

Answer: A

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78) 15 + (–18) + (–17)
A) 16 B) 14 C) –20 D) 50
Answer: C

79) 15 + 2 + (–13)
A) 26 B) 0 C) 30 D) 4
Answer: D

80) –25 + 4 + (–6)
A) –27 B) 35 C) –15 D) 23
Answer: A

81) –15 + (–14) + (–1) + (–8)
A) 20 B) –8 C) –38 D) –6
Answer: C

82) 18 + (–20) + 22 + (–21)
A) –3 B) 81 C) –45 D) –1
Answer: D

83) –17 + (–13) + (–15) + (–2) + 3 + (–5)
A) 15 B) –55 C) 5 D) –49
Answer: D

84) 20 + (–16) + 13 + (–13) + 1 + (–5)
A) –26 B) 6 C) 0 D) –68
Answer: C

Evaluate the expression for the given replacement values.

85) x + y for x = –83 and y = –37
A) 120 B) 46 C) –46 D) –120
Answer: D

86) x + y for x = 49 and y = –44
A) 5 B) –93 C) –5 D) 93
Answer: A

87) 2x + y for x = 4 and y = –3
A) 7 B) 11 C) 1 D) 5
Answer: D

88) 2x + y for x = 3 and y = –11
A) –5 B) –8 C) 14 D) 17
Answer: A

Translate the phrase; then simplify.

89) Find the sum of –57 and 16.
A) –41 B) –73 C) 73 D) 41
Answer: A

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90) Find the sum of –3 and 30.

A) –33 B) 33 C) –27 D) 27

Answer: D

91) Find the sum of 38 and –9.

A) –29 B) 29 C) –47 D) 47

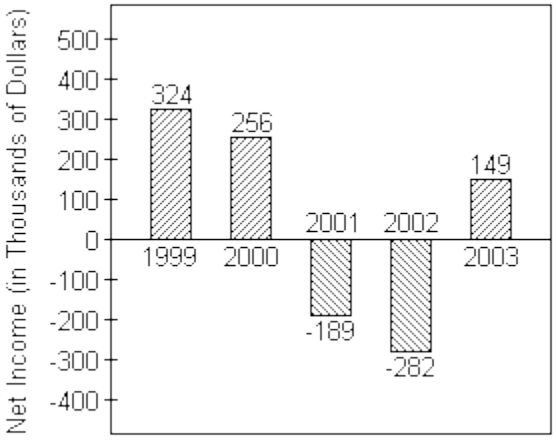
Answer: B

92) Find the sum of 7, 2, –8, and –6.

A) –5 B) 5 C) –23 D) 23

Answer: A

The bar graph below shows the yearly net income for Widgets, LTD.



93) What was the net income (in dollars) for Widgets, LTD in 2000?

A) –$256 B) –$256,000 C) $256 D) $256,000

Answer: D

94) Find the total net income for years 1999 and 2000.

A) $68 B) –$580,000 C) $580,000 D) –$68

Answer: C

95) Find the total net income for all years shown.

A) $109,000 B) $447,000 C) –$40,000 D) $258,000

Answer: D

Solve.

96) Lauren scored 6 points in her basketball game on Monday, 17 points on Wednesday, 19 points on Friday, and 18 points on Saturday. Find her total points scored for the week.

A) 61 points B) 59 points C) 60 points D) 42 points

Answer: C

97) The Neighborhood Lemonade Stand, Inc. reported net incomes of –$269, –$490, and –$446 for the past three years. What was its total net income for these three years?

A) –$1,205 B) –$759 C) $1,205 D) –$936

Answer: A

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98) On part of a scenic tour of underground caves, Dave and Neil started at an elevation of – 32 feet. They then rose 25 feet. What was their elevation at this point?

A) 7 ft B) 57 ft C) –57 ft D) –7 ft

Answer: D

99) The temperature at 1 p.m. on January 20 was –12° Fahrenheit. By 9 p.m. the temperature had risen 18 degrees. Find the temperature at 9 p.m.

A) –6° B) 6° C) –30° D) 30°

Answer: B

100) In four rounds of a card game, you get scores of 4, 6, –5, and –10. What is your final score?

A) 5 B) –25 C) –5 D) 25

Answer: C

101) A bike road race starts at an elevation of 980 feet and passes through 5 stages where the elevation changes by 68 feet, –399 feet, 235 feet, –507 feet, and –186 feet. At what elevation does the race end?

A) –2,375 ft B) 618 ft C) 2,375 ft D) 191 ft

Answer: D

102) At the start of a chemistry experiment, Sarah measured the temperature of a liquid to be –2°C. At the end of the experiment, it had risen 35°C. What was the liquid's temperature at the end of the experiment?

A) 37°C B) –33°C C) –37°C D) 33°C

Answer: D

103) A deep–sea diver dives from the surface to 96 feet below the surface. She then dives down 18 more feet. Find the diver's depth.

A) 76 feet below the surface B) 78 feet below the surface
C) 117 feet below the surface D) 114 feet below the surface

Answer: D

104) A deep–sea diver dives from the surface to 240 meters below the surface and then swims up 11 meters, down 16 meters, down another 26 meters, and then up 21 meters. Find the diver's depth after these movements.

A) 250 meters below the surface B) 166 meters below the surface
C) 272 meters below the surface D) 198 meters below the surface

Answer: A

105) The difference between a country's exports and imports is called the country's trade balance. If one country had a trade balance of –$98 billion in 1,995, $78 billion in 1,993, and –$27 billion in 1,994. What was the total trade balance for these years?

A) 47 billion dollars B) –203 billion dollars C) –47 billion dollars D) 203 billion dollars

Answer: C

106) Scores in golf can be positive or negative integers. For example, a score of 8 over par can be represented by +8 and a score of 4 under par can be represented by –4. If Donna had scores of 4 over par, 5 under par, and 6 under par for three games of golf, what was her total score?

A) 7 under par B) 15 under par C) 7 over par D) 15 over par

Answer: A

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Determine whether the statement is true or false.

107) The sum of two positive numbers is always a positive number.

A) True B) False

Answer: A

108) The sum of a positive number and a negative number is always a negative number.

A) True B) False

Answer: B

109) The sum of zero and a positive number is always a positive number.

A) True B) False

Answer: A

110) The sum of zero and a positive number is always a negative number.

A) True B) False

Answer: B

Subtract.

111) 1 – 5

A) –4 B) –6 C) 6 D) 4

Answer: A

112) –2 – 5

A) –7 B) 3 C) –3 D) 7

Answer: A

113) –15 – (–14)

A) 1 B) –29 C) –1 D) 29

Answer: C

114) 6 – (–3)

A) 9 B) –3 C) –9 D) 3

Answer: A

115) 24 – 24

A) 48 B) 24 C) 0 D) –24

Answer: C

116) 0 – 5

A) +5 B) –5 C) 5 D) –(–5)

Answer: B

117) –16 – 16

A) –32 B) –16 C) 0 D) 32

Answer: A

118) –18 – (–18)

A) 0 B) 18 C) –18 D) –36

Answer: A

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119) 0 – (–14)
A) 14 B) 28 C) –14 D) 0
Answer: A

120) 5 – (–5)
A) –10 B) 10 C) 5 D) 0
Answer: B

121) –110 – 440
A) –330 B) –550 C) 330 D) 550
Answer: B

122) –147 – (–88)
A) –59 B) –235 C) 235 D) 59
Answer: A

Translate the phrase; then simplify.

123) Subtract 33 from –14.
A) 47 B) –47 C) 19 D) –19
Answer: B

124) Find the difference of –27 and –15.
A) 42 B) –42 C) –12 D) 12
Answer: C

Add or subtract as indicated.

125) –49 + (–38)
A) 87 B) –87 C) –11 D) 11
Answer: B

126) 1 – 8
A) 7 B) –7 C) –9 D) 9
Answer: B

127) –3 – 13
A) 16 B) 10 C) –16 D) –10
Answer: C

128) –18 + 2 – (–20)
A) –36 B) –40 C) –4 D) 4
Answer: D

129) 13 – (–17) + (–5)
A) 1 B) 25 C) –1 D) –9
Answer: B

130) 3 + 5 – (–11)
A) –19 B) 19 C) –3 D) –13
Answer: B

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131) $-11 + 5 - (-10) + 2$

A) -24 B) 2 C) -14 D) 6

Answer: D

132) $-20 + 11 - 13 - (-7)$

A) -3 B) -25 C) -15 D) -29

Answer: C

133) $14 + (-1) - (-6) - 10 + (-7)$

A) 26 B) 10 C) 22 D) 2

Answer: D

134) $6 - 0 - (-7) - 16 + (-1)$

A) 14 B) 28 C) 16 D) -4

Answer: D

Translate the phrase to an algebraic expression. Use x to represent "a number."

135) Find the sum of 48 and a number.

A) $48 + x$ B) $48 - x$ C) $x - 48$ D) $48 + (-x)$

Answer: A

136) Subtract a number from -15.

A) $-15 - x$ B) $-15 + x$ C) $x - (-15)$ D) $x + (-15)$

Answer: A

137) Find the difference of -33 and a number.

A) $x - (-33)$ B) $-33 - x$ C) $x + (-33)$ D) $-33 - (-x)$

Answer: B

138) The sum of -18 and a number

A) $-18 + x$ B) $-18 - x$ C) $-18x$ D) $18 + x$

Answer: A

139) The difference of a number and fifteen

A) $\frac{x}{15}$ B) $15 - x$ C) $x - 15$ D) $15x - 15$

Answer: C

140) Subtract a number from -3

A) $-3x$ B) $x - (-3)$ C) $-3 + x$ D) $-3 - x$

Answer: D

Evaluate the expression for the given replacement values.

141) $x - y$ for $x = -21$, $y = 17$

A) -4 B) 38 C) -38 D) 4

Answer: C

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142) x – y for x = –10, y = –6

A) –16 B) 4 C) –4 D) 16

Answer: C

143) x – y for x = 18, y = –25

A) 7 B) –7 C) –43 D) 43

Answer: D

144) x – y for x = –1, y = –24

A) 23 B) –25 C) 25 D) –23

Answer: A

145) x – y for x = 7, y = 16

A) 9 B) –9 C) 23 D) –23

Answer: B

146) 2x – y for x = 7, y = –8

A) 17 B) 6 C) 22 D) 3

Answer: C

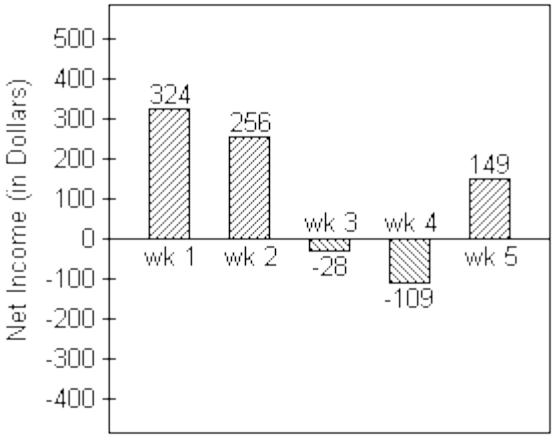
147) 2x – y for x = 9, y = –10

A) 21 B) 3 C) 8 D) 28

Answer: D

Solve.

148) Joel has started a business mowing lawns for the summer. The bar graph below tracks his net income for five weeks.



Find the difference in Joel's net income between week 3 and week 4.

A) $81 B) $71 C) $137 D) $127

Answer: A

149) City A has an elevation of 15,164 feet above sea level while city B has an elevation of 17,276 feet below sea level. Find the difference in elevation between those two cities.

A) 2,112 ft B) 32,540 ft C) 32,440 ft D) 2,212 ft

Answer: C

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150) The difference between a country's exports and imports is called the country's trade balance. In 1,989, a country had $205 billion in exports and $246 billion in imports. What was the country's trade balance in 1,989?
A) –451 billion dollars B) 451 billion dollars C) 41 billion dollars D) – 41 billion dollars
Answer: C

151) In a card game, it is possible to have a negative score. If Mia's score is 13, what is her new score if she loses 20 points?
A) 33 points B) –33 points C) 7 points D) –7 points
Answer: D

152) The temperature at 5:00 was –4°C. Four hours later, it was –12°C. What was the change in temperature?
A) 8°C B) 16°C C) –16°C D) –8°C
Answer: D

153) Trader Tower stands at 1,595 feet high. Exchange Emporium is 892 feet tall. How much taller is Trader Tower than Exchange Emporium?
A) –2,487 ft B) 2,487 ft C) –703 ft D) 703 ft
Answer: D

154) Sean has $109 in his savings account. After he withdraws $55, what will his balance be?
A) –$54 B) $164 C) $54 D) –$164
Answer: C

155) The temperature on a December morning is –8°F at 3 a.m. If the temperature drops 5° by 4 a.m., rises 7° by 5 a.m., and then drops 4° by 6 a.m., find the temperature by 6 a.m.
A) –10°F B) 24°F C) 10°F D) –24°F
Answer: A

156) Gina has $288 in her checking account. She writes a check for $55, makes a deposit for $119, and then writes another check for $65. Find the amount left in her account. (Write the amount as an integer.)
A) –49 dollars B) 287 dollars C) 49 dollars D) –287 dollars
Answer: B

157) The price of a stock rose 7 points, fell 8 points, and again fell 14 points. What was the stock's total change?
A) –15 points B) –29 points C) 13 points D) 29 points
Answer: A

158) The highest point at an oil drilling operation is the top of the 71–foot–high oil drilling rig. The lowest point the drill head has reached so far is –213 feet. How far above the drill head is the top of the oil drilling rig?
A) –213 ft B) 284 ft C) 142 ft D) –284 ft
Answer: B

159) Kerry owed $140, borrowed an additional $110, and paid back $65. How much did she still owe?
A) $95 B) $185 C) $315 D) – $185
Answer: B

Determine whether the statement is true or false.

160) $|-15 - 7| = 15 - 7$
A) True B) False
Answer: B

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161) $|-3-(-4)| = |-3| - |-4|$

A) True B) False

Answer: B

Simplify.

162) $|-1| - |-10|$

A) 9 B) 11 C) –9 D) –11

Answer: C

163) $|-15| - |-1|$

A) 16 B) –16 C) –14 D) 14

Answer: D

164) $|-7| - |7|$

A) 14 B) 0 C) –14 D) 7

Answer: B

165) $|-6| - |-40|$

A) –34 B) 46 C) –46 D) 34

Answer: A

Determine whether the statement is true or false.

166) $|-8-5| = 8-5$

A) True B) False

Answer: B

167) $|-6-(-7)| = |-6| - |-7|$

A) True B) False

Answer: B

Multiply.

168) 7(9)

A) 53 B) 630 C) 56 D) 63

Answer: D

169) –8(–4)

A) –24 B) 32 C) 22 D) –32

Answer: B

170) –8(9)

A) –64 B) –72 C) 72 D) 62

Answer: B

171) –6(8)

A) –42 B) 42 C) –56 D) –48

Answer: D

172) –19(12)

A) –240 B) –228 C) –209 D) 209

Answer: B

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173) –14(0)
A) 14 B) 0 C) –28 D) –14
Answer: B

174) –12(12)
A) –144 B) 156 C) 144 D) –156
Answer: A

175) 14(–14)
A) 210 B) 196 C) –196 D) –210
Answer: C

176) –12(–12)
A) 156 B) 144 C) –156 D) –144
Answer: B

177) –8(–16)
A) 128 B) –136 C) 136 D) 144
Answer: A

178) –5(–3)(6)
A) 190 B) –90 C) 90 D) 80
Answer: C

179) 7(–4)(–4)
A) 112 B) –56 C) 122 D) –112
Answer: A

180) –5(–3)(6)
A) 90 B) 80 C) –90 D) 190
Answer: A

181) –6(–10)(–9)
A) –440 B) 540 C) –550 D) –540
Answer: D

182) –9(–9)(–9)
A) –719 B) –729 C) –739 D) 729
Answer: B

183) –28(0)(–3)(8)
A) 1 B) –28 C) 28 D) 0
Answer: D

184) 3(–1)(2)(–7)
A) –42 B) 8 C) 17 D) 42
Answer: D

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185) $-4(6)$

A) -30 B) -20 C) -24 D) 20

Answer: C

Evaluate.

186) $(-4)^4$

A) 256 B) -16 C) 16 D) -256

Answer: A

187) -5^2

A) -25 B) -10 C) 10 D) 25

Answer: A

188) $(-1)^{18}$

A) 1 B) -18 C) 18 D) -1

Answer: A

189) $(-1)^{13}$

A) 1 B) -13 C) -1 D) 13

Answer: C

190) $(-4)^5$

A) 64 B) -256 C) 1,024 D) $-1,024$

Answer: D

191) -2^3

A) 2 B) -4 C) -8 D) 8

Answer: C

Translate the phrase; then simplify.

192) Find the product of -7 and -11.

A) -70 B) -77 C) 77 D) 70

Answer: C

193) Find the product of -3 and 3.

A) 9 B) -9 C) -6 D) 6

Answer: B

Translate the phrase to an algebraic expression. Use x to represent "a number."

194) The product of 5 and a number

A) $-5 \cdot x$ or $-5x$ B) $5 \cdot x$ or $5x$ C) $5 + x$ D) $5 \div x$ or $\frac{5}{x}$

Answer: B

195) The product of -11 and a number

A) $-11 \cdot x$ or $-11x$ B) $-11 - x$ C) $x \div (-11)$ or $\frac{x}{-11}$ D) $-11 + x$

Answer: A

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196) Multiply a number by –15.

A) $-15 + x$ B) $x \div (-15)$ or $\frac{x}{-15}$ C) $x \cdot (-15)$ or $-15x$ D) $(-15) \div x$ or $\frac{-15}{x}$

Answer: C

Find the quotient.

197) $-36 \div 6$

A) –7 B) –5 C) 6 D) –6

Answer: D

198) $28 \div (-4)$

A) –7 B) –8 C) 7 D) 8

Answer: A

199) $-21 \div (-3)$

A) 8 B) –8 C) 7 D) –7

Answer: C

200) $\frac{-56}{7}$

A) 8 B) –7 C) –8 D) –9

Answer: C

201) $\frac{42}{-6}$

A) –6 B) –7 C) –8 D) 7

Answer: B

202) $\frac{-56}{-7}$

A) –9 B) 8 C) –7 D) –8

Answer: B

203) $\frac{-24}{-6}$

A) 18 B) –18 C) 4 D) –4

Answer: C

204) $\frac{-168}{8}$

A) –31 B) –21 C) 21 D) $-\frac{1}{21}$

Answer: B

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205) $\frac{161}{-7}$

A) −33 B) $-\frac{1}{23}$ C) 23 D) −23

Answer: D

206) −44 ÷ (−2)

A) 12 B) −22 C) $\frac{1}{22}$ D) 22

Answer: D

207) −459 ÷ 51

A) −9 B) 9 C) $-\frac{1}{9}$ D) −19

Answer: A

208) 104 ÷ (−52)

A) 2 B) −12 C) −2 D) $-\frac{1}{2}$

Answer: C

209) $\frac{-108}{-9}$

A) −12 B) $\frac{1}{12}$ C) 12 D) 2

Answer: C

210) $\frac{-13}{0}$

A) 1 B) 13 C) 0 D) undefined

Answer: D

211) $\frac{0}{76}$

A) 1 B) 0 C) −76 D) undefined

Answer: B

212) $\frac{13}{0}$

A) 1 B) 13 C) 0 D) undefined

Answer: D

213) $-\frac{49}{7}$

A) 7 B) 42 C) −42 D) −7

Answer: D

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214) $-46 \div 2$

A) -23 B) -33 C) $-\frac{1}{23}$ D) 23

Answer: A

Translate the phrase; then simplify.

215) Find the quotient of -40 and 5.

A) 8 B) -7 C) -9 D) -8

Answer: D

216) Find the quotient of -45 and -9.

A) 6 B) 5 C) -5 D) -6

Answer: B

Translate the phrase to an algebraic expression. Use x to represent "a number."

217) A number divided by 18

A) $18 \div x$ or $\frac{18}{x}$ B) $x \div 18$ or $\frac{x}{18}$ C) $18 \cdot x$ or $18x$ D) $x - (18)$

Answer: B

218) Find the quotient of -12 and a number

A) $-12 \cdot x$ or $-12\,x$ B) $x \div -12$ or $\frac{x}{-12}$ C) $-12 - x$ D) $-12 \div x$ or $\frac{-12}{x}$

Answer: D

219) Divide a number by -48.

A) $-48 \cdot x$ or $-48x$ B) $x \div (-48)$ or $\frac{x}{-48}$ C) $x - (-48)$ D) $-48 \div x$ or $\frac{-48}{x}$

Answer: B

Evaluate the expression for the given replacement values.

220) xy for $x = 2, y = -9$

A) 11 B) -18 C) 18 D) -7

Answer: B

221) xy for $x = 0, y = -42$

A) 42 B) 0 C) -42 D) undefined

Answer: B

222) $\frac{x}{y}$ for $x = -70, y = -1$

A) -71 B) -70 C) 71 D) 70

Answer: D

223) $\frac{x}{y}$ for $x = 0, y = -1$

A) 0 B) -1 C) 1 D) undefined

Answer: A

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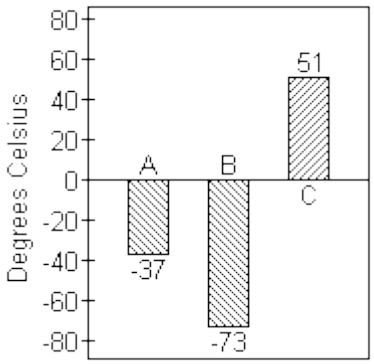
224) $\frac{x}{y}$ for $x = -1$, $y = 0$

A) –1 B) 1 C) 0 D) undefined

Answer: D

Solve.

225) The graph shows the melting points in degrees Celsius of three compounds: Compound A, Compound B and Compound C.



The melting point of Compound D is 2 times the melting point of Compound A. Find the melting point of Compound D.

A) –64°C B) 74°C C) 64°C D) –74°C

Answer: D

226) Ben lost $462 on each of 5 consecutive days in the stock market. If he had $17,132 before his loss, how much does he have after his loss?

A) $16,670 B) $14,822 C) $2,310 D) $19,442

Answer: B

227) A weather forecaster predicts that the temperature will drop 4 degrees each hour for the next 5 hours. If the temperature is 8 degrees before the temperature starts falling, what is the temperature after the drop?

A) –12° B) –20° C) 20° D) –1°

Answer: A

228) In 1,995, Little City Productions produced and sold 3,058 thousand of its Little City Collectible Bears. In 2,001, the number of these bears produced and sold had dropped to 484 thousand. Find the change in the number of bears produced from 1,995 to 2,001, and find the average change per year in the number of bears produced over this period.

A) change: –2,574 thousand bears
average change: –429 thousand bears

B) change: 2,574 thousand bears
average change: –429 thousand bears

C) change: 2,574 thousand bears
average change: 429 thousand bears

D) change: –2,574 thousand bears
average change: 429 thousand bears

Answer: A

229) A football team lost 7 yards on each of two consecutive plays. Represent the total loss as product of signed numbers and find the total loss.

A) $2 + (-7) = -5$ yds; 5 yard loss

B) $2 \cdot (-7) = -16$ yds; 16 yard loss

C) $2 \cdot (-7) = -14$ yds; 14 yard loss

D) $7 - 2 = 5$ yds; 5 yard loss

Answer: C

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230) A checking account had a beginning balance of $1,448. A deposit was made in the amount of $1,363. Every month for 12 months $80 was withdrawn. How much money was left in the account at the end of the 12 months?
A) $960 B) $2,731 C) $1,851 D) $403
Answer: C

Let a and b be positive numbers. Determine whether the statement is true or false.

231) a(–b) is a negative number.
A) True B) False
Answer: A

232) a(–b) is a positive number.
A) True B) False
Answer: B

233) (–a)(–b) is a negative number.
A) True B) False
Answer: B

234) (–a)(–b) is a positive number.
A) True B) False
Answer: A

235) (–a)(–a) is a positive number.
A) True B) False
Answer: A

236) (–a)(–a) is a negative number.
A) True B) False
Answer: B

237) (–a)(–a)(–a) is a positive number.
A) True B) False
Answer: B

238) (–a)(–a)(–a) is a negative number.
A) True B) False
Answer: A

Without actually finding the product, write the list of numbers in order from least to greatest.

239) $(-2)^{14}$, $(-2)^{17}$, $(-8)^{14}$, $(-8)^{17}$
A) $(-2)^{14}$, $(-2)^{17}$, $(-8)^{14}$, $(-8)^{17}$ B) $(-2)^{14}$, $(-8)^{14}$, $(-2)^{17}$, $(-8)^{17}$
C) $(-8)^{17}$, $(-2)^{17}$, $(-2)^{14}$, $(-8)^{14}$ D) $(-8)^{14}$, $(-2)^{14}$, $(-2)^{17}$, $(-8)^{17}$
Answer: C

240) $(-1)^{54}$, $(-1)^{59}$, 0^{15}, $(-5)^{18}$, $(-5)^{21}$
A) $(-5)^{21}$, $(-1)^{59}$, 0^{15}, $(-1)^{54}$, $(-5)^{18}$ B) 0^{15}, $(-1)^{54}$, $(-1)^{59}$, $(-5)^{18}$, $(-5)^{21}$
C) $(-1)^{59}$, $(-5)^{21}$, 0^{15}, $(-1)^{54}$, $(-5)^{18}$ D) $(-5)^{21}$, $(-5)^{18}$, $(-1)^{59}$, $(-1)^{54}$, 0^{15}
Answer: A

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Simplify.

241) -3^4

A) −81 B) −12 C) 1 D) 81

Answer: A

242) $(-2)^5$

A) 3 B) −10 C) 32 D) −32

Answer: D

243) $-(-5)^4$

A) −625 B) 625 C) −1 D) −20

Answer: A

244) $-5 - 2(6 - 8)$

A) 1 B) −9 C) 9 D) −1

Answer: D

245) $2(-4)(6 - 2) - 11$

A) 21 B) −19 C) −21 D) −43

Answer: D

246) $40 \div (-2) - 8$

A) 28 B) −28 C) −16 D) 16

Answer: B

247) $2^4 - 8(5)$

A) −24 B) 16 C) −56 D) 5

Answer: A

248) $4 \cdot 4^2$

A) 256 B) 32 C) 64 D) 24

Answer: C

249) $5 - 4 \cdot 4$

A) 21 B) −11 C) 4 D) 11

Answer: B

250) $-6 + 5 \cdot 5$

A) −19 B) 19 C) 5 D) 31

Answer: B

251) $-17 + 100 \div (-5)$

A) −37 B) 37 C) 17 D) −17

Answer: A

252) $1 - 6 + 8$

A) −13 B) −47 C) 3 D) −48

Answer: C

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253) $9 + 25 \cdot 5 + 3$

A) 173 B) 42 C) 272 D) 137

Answer: D

254) $7 + 9 \cdot 2 - 10$

A) 15 B) 22 C) 5 D) −65

Answer: A

255) $5 - (-5)^2$

A) −15 B) −20 C) 35 D) 30

Answer: B

256) $\frac{20 - 17}{-1}$

A) 37 B) −3 C) 2 D) 3

Answer: B

257) $\frac{-36 - 63}{-9}$

A) 11 B) −3 C) −9 D) −11

Answer: A

258) $\frac{-44}{6 + 5}$

A) 11 B) −4 C) $\frac{-44}{6 - 5}$ D) 4

Answer: B

259) $\frac{-20}{-2 - 2}$

A) 4 B) 5 C) −4 D) −5

Answer: B

260) $9(-8) - (-15)$

A) −87 B) −207 C) −57 D) 63

Answer: C

261) $-16 + 3^3$

A) 43 B) −2197 C) 11 D) −43

Answer: C

262) $[6 + (-4)]^2$

A) 100 B) 52 C) 20 D) 4

Answer: D

263) $6 \cdot 3 - 6 \cdot 5 + (-20)$

A) 32 B) 8 C) −32 D) 28

Answer: C

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264) $20 - (-7)^2$

A) 34 B) –29 C) 29 D) 69

Answer: B

265) $|3 + 7| \cdot 6^2$

A) 46 B) 3,600 C) 360 D) –360

Answer: C

266) $(-6)^2 + (-8)^2 - 9$

A) –187 B) 187 C) –91 D) 91

Answer: D

267) $(-7)(10)^2 - (-3)(-5)$

A) 15 B) –715 C) –700 D) –685

Answer: B

268) $|6 - 20| \cdot (-24) \div (-4)$

A) 1,344 B) 84 C) –84 D) –1,344

Answer: B

269) $(3 - 9)^2 \div (7 - 6)^4$

A) 36 B) 12 C) –12 D) –36

Answer: A

270) $(-14 + 50) \div 12 - 20$

A) 17 B) 23 C) –17 D) –23

Answer: C

271) $-9(2 - 4) - 6^3$

A) 216 B) 234 C) –198 D) –2

Answer: C

272) $(6 + 22) \cdot (29 - 24)$

A) 33 B) 140 C) 788 D) 81

Answer: B

273) $(-28 \div 4) - (6 \div 6)$

A) 7 B) 6 C) –8 D) –7

Answer: C

274) $-3^2 - 4^2$

A) 25 B) 14 C) –25 D) –14

Answer: C

275) $(-5)^2 - 2^2$

A) 21 B) –14 C) 29 D) –21

Answer: A

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276) $(9 - 4^2)^2$

A) 1 B) 2 C) 49 D) –49

Answer: C

277) $2(3 - 10)^2 - 4(6 - 10)^3$

A) –354 B) 354 C) –158 D) 158

Answer: B

278) $21 - [7 - (5 - 9)] + (4 - 6)^3$

A) 2 B) 18 C) 26 D) –18

Answer: A

279) $2[-4 + 7(-5 + 4)]$

A) –22 B) –15 C) –10 D) –6

Answer: A

280) $-13 + (5 \cdot 2 + 30) \div 5$

A) 5 B) –5 C) 3 D) 1

Answer: B

281) $\dfrac{[-45 \div (-5) - 1]}{[2 - (-2)]}$

A) –2 B) 1 C) 2 D) undefined

Answer: C

282) $\dfrac{[3^2 + 9(-5)]}{[6 + (-18)]}$

A) $\dfrac{3}{2}$ B) 3 C) 4 D) –3

Answer: B

283) $\dfrac{[6 - 3(-1)]}{[14 - (17)]}$

A) –4 B) –9 C) 3 D) –3

Answer: D

284) $\dfrac{7(-4) - 2 + 10}{-100 \div 5}$

A) $\dfrac{1}{5}$ B) 5 C) 1 D) – 1

Answer: C

285) $\dfrac{20(-1) - (-8)(-5)}{2[-20 \div (-5 - 5)]}$

A) 15 B) –5 C) –15 D) undefined

Answer: C

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286) $\dfrac{5-(-5)}{17+2(10-5)-4^2-6}$

A) 5 B) 10 C) 0 D) 2

Answer: D

287) $[2 \div (7-5)+6^2]-[5-(-1)]^2$

A) 11 B) 1 C) 13 D) 61

Answer: B

Evaluate the expression for x = –2, y = 3, z = –4.

288) $-5z^2$

A) –80 B) 80 C) 40 D) 400

Answer: A

289) $14-z^2$

A) 112 B) 22 C) –2 D) 30

Answer: C

290) $6x-y^2$

A) 6 B) –18 C) –21 D) –3

Answer: C

291) $\dfrac{2z}{x}$

A) –4 B) –10 C) 4 D) 0

Answer: C

292) –3x – 9y – 5z

A) 27 B) –5 C) 29 D) –1

Answer: D

Find the average of the list of numbers.

293) –17, 2, –9, 3, 12, –5, 7

A) –3 B) –1 C) 1 D) –2

Answer: B

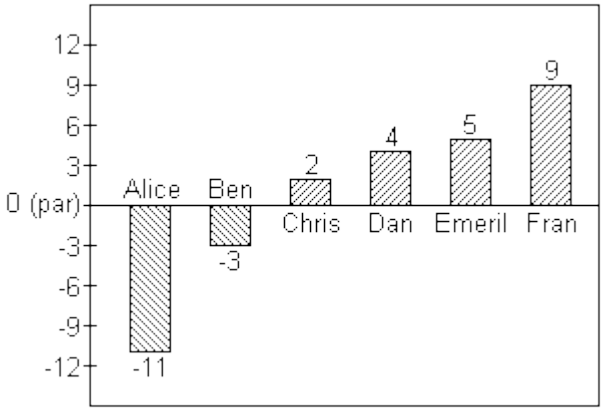
294) –13, –7, –3, –4, 0, –9

A) –7 B) –5 C) –4 D) –6

Answer: D

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Scores in golf can be 0 (also called par), a positive integer (also called above par) or a negative integer (also called below par). Below are the scores of some members of a college golf team in a recent tournament.



295) Find the average of the scores for Ben, Dan and Emeril.

A) 6 B) 2 C) 1 D) –2

Answer: B

296) Find the average of the scores of the members shown.

A) 0 B) 2 C) –1 D) 1

Answer: D

Insert parentheses where needed so that the expression evaluates to the given number.

297) $9 \cdot 7 - 3 \cdot 5$; evaluates to –72

A) $9 \cdot (7 - 3) \cdot 5$ B) $9 \cdot (7 - 3 \cdot 5)$ C) $(9 \cdot 7 - 3) \cdot 5$ D) $(9 \cdot 7) - (3 \cdot 5)$

Answer: B

298) $5 \cdot 60 \div 3 - 15$; evaluates to 85

A) $5 \cdot (60 \div 3 - 15)$ B) $5 \cdot 60 \div (3 - 15)$ C) $5 \cdot (60 \div 3) - 15$ D) $(5 \cdot 60) \div (3 - 15)$

Answer: C

Evaluate.

299) $(-14)^4$

A) –38,416 B) –2744 C) 38,416 D) 2744

Answer: C

300) $4(xy + 3)^x$ for $x = 3$ and $y = -4$

A) 2916 B) –2916 C) –729 D) 324

Answer: B

301) $(4z)(-8x - 9y)$ for $x = -2$, $y = 3$, and $z = -4$

A) 96 B) 176 C) –176 D) 688

Answer: B

Decide whether the given number is a solution of the given equation.

302) Is 9 a solution of $k - 5 = 4$?

A) Yes B) No

Answer: A

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303) Is 5 a solution of $y + 15 = 20$?

A) Yes B) No

Answer: A

304) Is 7 a solution of $8x = 63 - x$?

A) Yes B) No

Answer: A

305) Is 10 a solution of $17 - p = 7$?

A) Yes B) No

Answer: A

306) Is 0 a solution of $h + 4 = 4$?

A) Yes B) No

Answer: A

307) Is -20 a solution of $20 + x = 0$?

A) Yes B) No

Answer: A

308) Is -18 a solution of $6c + 4 - 5c = -24 + 10$?

A) Yes B) No

Answer: A

309) Is 15 a solution of $4c + 4 - 3c = -25 + 14$?

A) Yes B) No

Answer: B

310) Is 10 a solution of $4(x - 5) = 23$?

A) Yes B) No

Answer: B

Solve the equation.

311) $a + 7 = 6$

A) -13 B) 1 C) -1 D) 13

Answer: C

312) $f - 1 = -11$

A) -12 B) 10 C) 12 D) -10

Answer: D

313) $d - 7 = -11$

A) 4 B) 18 C) -4 D) -18

Answer: C

314) $s - 7 = 16$

A) -23 B) 23 C) -9 D) 9

Answer: B

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315) $16 = y - 7$

A) -23 B) 23 C) 9 D) -9

Answer: B

316) $-12 = b - 15$

A) -27 B) 3 C) 27 D) -3

Answer: B

317) $7t = 6t + 4$

A) 5 B) -4 C) 4 D) 10

Answer: C

318) $n - 16 = -14$

A) -2 B) -30 C) 2 D) 30

Answer: C

319) $-15 = y - 27$

A) 42 B) -12 C) -42 D) 12

Answer: D

320) $x - 76{,}868 = 89{,}035$

A) $-165{,}903$ B) $-13{,}833$ C) 13,833 D) 165,903

Answer: D

321) $6x = 42$

A) 252 B) 48 C) 7 D) 36

Answer: C

322) $-7z = 14$

A) 21 B) -21 C) -2 D) 2

Answer: C

323) $-6y = 30$

A) -5 B) -36 C) 5 D) 36

Answer: A

324) $-9x = -54$

A) -6 B) 45 C) -45 D) 6

Answer: D

325) $\frac{n}{4} = -11$

A) 44 B) 15 C) -15 D) -44

Answer: D

326) $\frac{n}{-4} = 9$

A) 36 B) -36 C) 13 D) -13

Answer: B

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327) $\frac{x}{-7} = 4$

A) –1 B) –28 C) –3 D) –4

Answer: B

328) $13z = 0$

A) 13 B) 0 C) –13 D) 1

Answer: B

329) $24x = 24$

A) 0 B) 1 C) –1 D) 24

Answer: B

330) $\frac{x}{-6} = -6$

A) –1 B) 1 C) 36 D) –36

Answer: C

331) $-11x = -121$

A) 11 B) 110 C) –11 D) –110

Answer: A

332) $3y = -1{,}289 - 3{,}100$

A) –603 B) –1,463 C) 603 D) 1,463

Answer: B

Fill in the blank with one of the words or phrases listed below.

inequality symbols	**addition**	**solution**	**is less than**	**integers**
expression	**average**	**negative**	**absolute value**	**equation**
positive	**opposites**	**is greater than**	**multiplication**	

333) Two numbers that are the same distance from 0 on the number line but are on opposite sides of 0 are called _____.

A) inequality symbols B) integers C) average D) opposites

Answer: D

334) The _____ of a number is that number's distance from 0 on the number line.

A) negative B) average C) absolute value D) positive

Answer: C

335) The _____ are . . ., –3, –2, –1, 0, 1, 2, 3, ...

A) inequality symbols B) opposites C) integers D) expression

Answer: C

336) The _____ numbers are numbers less than zero.

A) positive B) equation C) addition D) negative

Answer: D

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337) The _____ numbers are numbers greater than zero.

A) addition B) equation C) positive D) negative

Answer: C

338) The symbols "<" and ">" are called _____.

A) opposites B) negative C) inequality symbols D) integers

Answer: C

339) A(n) _____ of an equation is a number that when substituted for a variable makes the equation a true statement.

A) multiplication B) negative C) solution D) positive

Answer: C

340) The _____ of a list of numbers is $\frac{\text{sum of numbers}}{\textit{number} \text{ of numbers}}$.

A) solution B) average C) equation D) expression

Answer: B

341) A combination of operations on variables and numbers is called a(n) _____.

A) equation B) average C) absolute value D) expression

Answer: D

342) A statement of the form "expression = expression" is called a(n) _____.

A) absolute value B) average C) equation D) expression

Answer: C

343) The sign "<" means _____ and the sign ">" means _____.

A) is less than; is greater than B) is greater than; is less than

C) negative; positive D) positive; negative

Answer: A

344) By the _____ property of equality, the same number may be added to or subtracted from both sides of an equation without changing the solution of the equation.

A) multiplication B) positive C) addition D) absolute value

Answer: C

345) By the _____ property of equality, the same nonzero number may be multiplied or divided by both sides of an equation without changing the solution of the equation.

A) multiplication B) positive C) addition D) absolute value

Answer: A

Simplify the expression.

346) $-9 + 1$

A) -8 B) 8 C) -10 D) 10

Answer: A

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347) $13 - 14$

A) -27 B) 1 C) -1 D) 27

Answer: C

348) $18 \cdot (-5)$

A) -90 B) -85 C) -108 D) 85

Answer: A

349) $(-12) \div (-2)$

A) 7 B) -7 C) -6 D) 6

Answer: D

350) $(-14) + (-9)$

A) 5 B) -23 C) 23 D) -5

Answer: B

351) $-11 - (-2)$

A) -13 B) 13 C) 9 D) -9

Answer: D

352) $(-10) \cdot (-7)$

A) -80 B) 80 C) 77 D) 70

Answer: D

353) $\frac{-30}{-5}$

A) -7 B) -6 C) 6 D) -5

Answer: C

354) $|-34| + (-17)$

A) -51 B) 51 C) -17 D) 17

Answer: D

355) $13 - |-32|$

A) 19 B) 45 C) -19 D) -45

Answer: C

356) $|3| \cdot |-10|$

A) 30 B) -30 C) -27 D) 27

Answer: A

357) $\frac{|-48|}{-|-6|}$

A) -8 B) 8 C) -9 D) -7

Answer: A

358) $(-19) + 60 \div (-6)$

A) 29 B) 7 C) -29 D) -7

Answer: C

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359) $-8 + (-27) - 19 + 8$

A) 8 B) –30 C) –46 D) –62

Answer: C

360) $(-3)^3 - 36 \div (-4)$

A) 18 B) –36 C) 36 D) –18

Answer: D

361) $(2 - 5)^2 \cdot (8 - 2)^3$

A) –1,944 B) 324 C) 1,944 D) –206

Answer: C

362) $-(-3)^2 \div 3 \cdot (-8)$

A) 72 B) –72 C) –24 D) 24

Answer: D

363) $5 - (7 - 2)^3$

A) 30 B) 130 C) –120 D) –20

Answer: C

364) $\frac{36}{6} - \frac{9^2}{9}$

A) –21 B) –3 C) 15 D) 33

Answer: B

365) $\frac{-5(-5) + 10}{-1(-2 - 3)}$

A) 3 B) 35 C) –7 D) 7

Answer: D

366) $\frac{|21 - 28|^2}{2(-8) + 9}$

A) 8 B) 7 C) –8 D) –7

Answer: D

367) $23 - [7 - (5 - 12)] + (4 - 6)^3$

A) 1 B) 31 C) –17 D) 17

Answer: A

Evaluate the expression for x = –2, y = 3, z = –4.

368) $-9x + 6y + 3z$

A) –51 B) 3 C) 24 D) 48

Answer: C

369) $15 - z^2$

A) 31 B) 120 C) –1 D) 23

Answer: C

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370) $\frac{3z}{4y}$

A) –2 B) –1 C) 2 D) 1

Answer: B

Solve the problem.

371) A weather forecaster predicts that the temperature will drop 5 degrees each hour for the next 5 hours. If the temperature is 10 degrees before the temperature starts falling, what is the temperature after the drop?

A) 25° B) –25° C) –15° D) 0°

Answer: C

372) Tori has $269 in her checking account. She writes a check for $27, makes a deposit for $92, and then writes another check for $72. Represent the new balance in her account by an integer.

A) –78 dollars B) –262 dollars C) 78 dollars D) 262 dollars

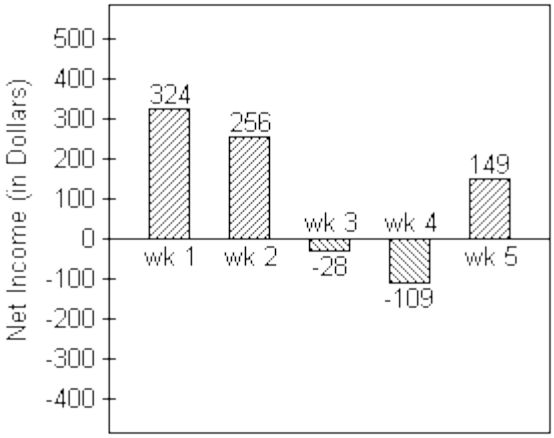
Answer: D

373) City A has an elevation of 15,641 feet above sea level while City B has an elevation of 16,133 feet below sea level. Represent the difference in elevation between these two cities by an integer.

A) 31,874 ft B) 31,774 ft C) 492 ft D) 592 ft

Answer: B

374) Joel has started a business mowing lawns for the summer. The bar graph below tracks his net income for five weeks.



Find the difference in Joel's net income between week 5 and week 4.

A) $248 B) $40 C) $30 D) $258

Answer: D

Find the average of the list of numbers.

375) –15, 3, –8, 7, –9, 2, –1

A) –3 B) –2 C) –1 D) 1

Answer: A

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Translate the phrase to an algebraic expression. Use x to represent "a number."

376) a. The product of a number and 10
b. Twice a number subtracted from 8

A) a. $10x$
b. $2x - 8$

B) a. $\frac{10}{x}$
b. $8 - 2x$

C) a. $\frac{10}{x}$
b. $2x - 8$

D) a. $10x$
b. $8 - 2x$

Answer: D

Solve.

377) $-5n = -25$

A) -5 B) 5 C) 20 D) -20

Answer: B

378) $\frac{n}{-4} = 4$

A) 16 B) -8 C) 8 D) -16

Answer: D

379) $x - 18 = -37$

A) 55 B) 19 C) -55 D) -19

Answer: D

380) $-7 - 15 + 2 = x$

A) 24 B) -20 C) -24 D) 20

Answer: B

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1) A
2) B
3) A
4) B
5) A
6) B
7) A
8) B
9) A
10) A
11) D
12) B
13) A
14) B
15) B
16) B
17) B
18) A
19) B
20) B
21) A
22) C
23) B
24) C
25) B
26) B
27) D
28) B
29) A
30) B
31) D
32) B
33) A
34) D
35) B
36) A
37) D
38) D
39) B
40) B
41) D
42) A
43) C
44) C
45) B
46) C
47) C
48) B
49) B
50) A

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51) B
52) B
53) C
54) B
55) B
56) D
57) B
58) B
59) B
60) A
61) A
62) B
63) B
64) D
65) B
66) C
67) C
68) B
69) C
70) C
71) C
72) D
73) D
74) B
75) D
76) B
77) A
78) C
79) D
80) A
81) C
82) D
83) D
84) C
85) D
86) A
87) D
88) A
89) A
90) D
91) B
92) A
93) D
94) C
95) D
96) C
97) A
98) D
99) B
100) C

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101) D
102) D
103) D
104) A
105) C
106) A
107) A
108) B
109) A
110) B
111) A
112) A
113) C
114) A
115) C
116) B
117) A
118) A
119) A
120) B
121) B
122) A
123) B
124) C
125) B
126) B
127) C
128) D
129) B
130) B
131) D
132) C
133) D
134) D
135) A
136) A
137) B
138) A
139) C
140) D
141) C
142) C
143) D
144) A
145) B
146) C
147) D
148) A
149) C
150) C

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151) D
152) D
153) D
154) C
155) A
156) B
157) A
158) B
159) B
160) B
161) B
162) C
163) D
164) B
165) A
166) B
167) B
168) D
169) B
170) B
171) D
172) B
173) B
174) A
175) C
176) B
177) A
178) C
179) A
180) A
181) D
182) B
183) D
184) D
185) C
186) A
187) A
188) A
189) C
190) D
191) C
192) C
193) B
194) B
195) A
196) C
197) D
198) A
199) C
200) C

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201) B
202) B
203) C
204) B
205) D
206) D
207) A
208) C
209) C
210) D
211) B
212) D
213) D
214) A
215) D
216) B
217) B
218) D
219) B
220) B
221) B
222) D
223) A
224) D
225) D
226) B
227) A
228) A
229) C
230) C
231) A
232) B
233) B
234) A
235) A
236) B
237) B
238) A
239) C
240) A
241) A
242) D
243) A
244) D
245) D
246) B
247) A
248) C
249) B
250) B

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251) A
252) C
253) D
254) A
255) B
256) B
257) A
258) B
259) B
260) C
261) C
262) D
263) C
264) B
265) C
266) D
267) B
268) B
269) A
270) C
271) C
272) B
273) C
274) C
275) A
276) C
277) B
278) A
279) A
280) B
281) C
282) B
283) D
284) C
285) C
286) D
287) B
288) A
289) C
290) C
291) C
292) D
293) B
294) D
295) B
296) D
297) B
298) C
299) C
300) B

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301) B
302) A
303) A
304) A
305) A
306) A
307) A
308) A
309) B
310) B
311) C
312) D
313) C
314) B
315) B
316) B
317) C
318) C
319) D
320) D
321) C
322) C
323) A
324) D
325) D
326) B
327) B
328) B
329) B
330) C
331) A
332) B
333) D
334) C
335) C
336) D
337) C
338) C
339) C
340) B
341) D
342) C
343) A
344) C
345) A
346) A
347) C
348) A
349) D
350) B

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351) D
352) D
353) C
354) D
355) C
356) A
357) A
358) C
359) C
360) D
361) C
362) D
363) C
364) B
365) D
366) D
367) A
368) C
369) C
370) B
371) C
372) D
373) B
374) D
375) A
376) D
377) B
378) D
379) D
380) B

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