

Cumulative Review

Chapter 1

Multiple Choice. Choose the letter of the best answer.

- Which of the following shows the order from least to greatest for the mean, the median, and the mode of this set of data?
0, 1, 2, 2, 2, 3, 4, 7, 10, 11
 - mode, median, mean
 - median, mode, mean
 - mode, mean, median
 - mean, median, mode
- You have saved \$35.75. About how many tapes can you buy if each tape costs \$8.47, tax included?
 - 2 tapes
 - 3 tapes
 - 4 tapes
 - 5 tapes
- Identify the property of addition shown.
 $(1.5 + 2.5) + 3 = 1.5 + (2.5 + 3)$
 - associative
 - distributive
 - commutative
 - identity
- Which expression is *not* the same as $2.7 \times 3.6 \div 9$?
 - $2.7 \div 9 \times 3.6$
 - $3.6 \times 9 \div 2.7$
 - $3.6 \times 2.7 \div 9$
 - $3.6 \div 9 \times 2.7$
- What is the *tenth digit* in the quotient $120 \div 11$?
 - 0
 - 1
 - 8
 - 9
- Sara saved \$12.50 for five weeks. Her brother saved \$13.75 for five weeks. How much more did her brother save?
 - \$6.25
 - \$62.50
 - \$6.88
 - \$68.75
- Which list shows the following integers ordered from least to greatest?
0, -1, 2, -3, -8
 - 1, -3, -8, 0, 2
 - 8, -3, -1, 0, 2
 - 0, -8, -3, -1, 2
 - 0, -1, 2, -3, -8
- For a dance, the student government bought 178 carnations at \$.49 each. What is the best estimate of the total amount paid for the carnations?
 - \$70
 - \$90
 - \$100
 - \$120
- The temperature on Mars reaches 27°C during the day and -125°C at night. What is the average temperature?
 - -49°C
 - $+76^{\circ}\text{C}$
 - $+49^{\circ}\text{C}$
 - -76°C
- Divide. $-10 \div (-2)$
 - 5
 - $-\frac{1}{5}$
 - $\frac{1}{5}$
 - 5
- Which of the following statements is always true?
 - A negative integer plus a negative integer equals a negative integer.
 - A negative integer minus a negative integer equals a negative integer.
 - II only
 - Both I and II
 - I only
 - Neither I nor II

Cumulative Review (continued)

Chapter 1

12. Which of the following uses the Distributive Property to find 7×57 ?
- F. $7 \times 5 \times 7$
 G. $7(50 \times 7)$
 H. $(7 \times 50) + 7$
 I. $(7 \times 50) + (7 \times 7)$
13. Tim's test grades in French class are 86, 96, 88, and 91. What score must Tim make on his next test to average 92?
- A. 89
 B. 93
 C. 97
 D. 99
14. Which two numbers have a sum of 36 and a product of 320?
- F. 26 and 10
 G. 32 and 10
 H. 20 and 16
 I. 8 and 40
15. Which equation is true?
- A. $17 - 3 \times 5 = 2$
 B. $20 - 5 \times 3 = 45$
 C. $10 + 3 \times 2 = 26$
 D. $6 + 5 \times 9 = 99$
16. Which integer is between -6 and -2 ?
- F. 0
 G. -1
 H. -3
 I. -8
17. Which symbol makes the sentence true?
 $7 + 3 \times 2 = 5 \times 3$? 2
- A. $-$
 B. \div
 C. \times
 D. $+$
18. What number makes this statement true?
 $28.2 \text{ cm} =$? m
- F. 0.282
 G. 2.82
 H. 28.2
 I. 282
19. The Rory family drove 310 miles each day for four days. Then on Friday they drove 250 miles to Centerville. On Saturday they drove 150 miles to Westfield. What else do you need to know to determine how many miles they averaged each day for that one week?
- A. number of miles driven back home
 B. number of days in a week
 C. distance from Centerville to Westfield
 D. number of miles driven the seventh day
20. Which of these is the smallest weight?
- F. 24.378 kg
 G. 24.387 kg
 H. 24.390 kg
 I. 2.499 kg
21. Bertha, Burt, Barb, and Brenda entered a swimming contest. Burt finished last. Brenda finished between Burt and Barb. Bertha placed first. Who came in third?
- A. Brenda
 B. Barb
 C. Bertha
 D. Burt

Extended Response

22. The water level indicator measures the rise and fall in meters of the water level at a reservoir. The 0 on the gauge indicates the normal water level in the reservoir. What was the water level at the end of the summer? at the end of the winter? Find the difference between the two levels.

