

- 1) Simplify:  $17.5 - 5.66 - 8.7$   
A) 20.54      B) 3.2      C) 3.14      D)  $-8.7$       E) None of these Answers
- 2) Add:  $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19$   
A) 89      B) 91      C) 97      D) 100      E) None of these Answers
- 3) How many centimeters are in 3.7 meters?  
A) 0.37      B) 37      C) 370      D) 3700      E) None of these Answers
- 4) Find the tenth number in this sequence: 1, 2, 2, 4, 3, 8, 4, 16, ....  
A) 32      B) 24      C) 16      D) 5      E) None of these Answers
- 5) How many minutes are in two weeks?  
A) 10,800      B) 20,160      C) 604,800      D) 1,209,600      E) None of these Answers
- 6) A square piece of paper is folded in half to form a rectangle. Then it is folded in half to form a smaller square. This smaller square has a perimeter of 20 cm. What is the area of the original square piece of paper?  
A) 25      B) 50      C) 64      D) 100      E) None of these Answers
- 7) What is your test grade percentage if you got thirty-eight of the forty-two questions you answered correctly, but didn't answer eight of the questions?  
A) 38 %      B) 76%      C)  $90 \frac{5}{11}$  %      D) 84%      E) None of these Answers
- 8) Add: Twelve and six hundredths plus seven and thirty-eight hundredths plus nine and eighty-six hundredths.  
A) 29.3      B) 29.54      C) 165,000      D) 16.5      E) None of these Answers
- 9)  $1 \times 2 \times 3 \times 4 \times 5 \times 6 = 2 \times 12 \times \underline{\quad ? \quad}$   
A)  $2 \times 3 \times 5$       B)  $3 \times 5$       C)  $2 \times 3 \times 3$       D)  $2 \times 3 \times 6$       E) None of these Answers
- 10) What is  $1 \frac{2}{5}$  divided by its reciprocal?  
A)  $\frac{5}{7}$       B)  $\frac{25}{49}$       C) 0.51      D)  $1 \frac{24}{25}$       E) None of these Answers

- 11) Ten apples weigh the same as four oranges and two pears. An orange weighs the same as two pears. How many pears equal the weight of an apple?
- A) 10                      B) 5                      C) 4                      D) 1                      E) None of these Answers
- 12) Today is Saturday. Your friend's birthday was eighteen days ago and your last basketball game was twenty days before your friend's birthday. On which day of the week was your last basketball game?
- A) Tuesday              B) Wednesday              C) Thursday              D) Friday              E) None of these Answers
- 13) Which property states:  $(4 + 2) + 8 = 4 + (2 + 8)$  ?
- A) Distributive              B) Commutative              C) Associative              D) Reflexive              E) None of these Answers
- 14) Simplify:  $(3.651 + 5.141) \div 2.8$
- A) -0.5321              B) 11.592              C) 3.14              D) 0.25363              E) None of these Answers
- 15) Maybelle and her visiting cousin have eight hours to tour the city of Cullman. They spend one-fourth of the time at the Ave Maria Grotto, one-eighth at Heritage Park, one-eighth at Sportsman's Lake and the rest of the time at FunZone. How many hours did they spend at FunZone?
- A) 4                      B) 6                      C) 2                      D) 1                      E) None of these Answers
- 16) The sum of 205,998 and 134,769 is divisible by which of the following?
- A) 3, 6 and 9              B) 3 and 9              C) 9 only              D) 3 only              E) None of these Answers
- 17) What is the seventy-third day of the year 2009?
- A) 3-8-09              B) 3-16-09              C) 3-15-09              D) 3-14-09              E) None of these Answers
- 18) Simplify:  $2(13 + 37) + 4(13 + 37) - 6(13 + 37)$
- A) 600              B)  $12 \times 13$               C)  $1 \times 2 \times 4 \times 13 - 37$               D) 0              E) None of these Answers
- 19) Add: 2 gallons 3 quarts 1 pint plus 1 gallon 3 quarts 1 pint
- A) 6 gallons 2 pints                      B) 4 gallons 3 quarts                      C) 3 gallons 2 quarts 2 pints  
D) 4 gallons 2 quarts                      E) None of these Answers
- 20) The coordinate of Point A is  $(-1, 0)$ . If point A is translated 2 units up and three units left, then what are the new coordinates of Point A?
- A)  $(4, 2)$               B)  $(4, -2)$               C)  $(-4, 2)$               D)  $(-4, -2)$               E) None of these Answers
- 21) Bellnard made 98, 90, 88 and 96 on his first four math tests. What must he make on the fifth test to have a 92 average exactly?
- A) 88                      B) 90                      C) 92                      D) 100                      E) None of these Answers

- 22) Subtract: 4 hours 52 minutes 2 seconds minus 1 hour 50 minutes 58 seconds  
A) 3 hours 1 minutes 4 seconds    B) 3 hours 2 minutes 4 seconds    C) 3 hours 2 minutes 56 seconds  
D) 3 hours 1 minute 56 seconds    E) None of these Answers
- 23) Simplify:  $28 - (2 + 3) + 12 \div 3 - 1$   
A)  $41 \frac{1}{3}$     B) 26    C) 9    D)  $19 \frac{1}{3}$     E) None of these Answers
- 24) Add:  $\frac{2}{3} + 1 \frac{1}{5} + 2 \frac{3}{4}$   
A)  $4 \frac{37}{60}$     B)  $2 \frac{1}{5}$     C) 4.6    D)  $461/100$     E) None of these Answers
- 25) What is the surface area of a cube with an edge of three inches?  
A) 9 square inches    B) 36 square inches    C) 54 square inches    D) 81 square inches  
E) None of these Answers

### Tie Breakers:

TB #1:

Add half the square of 12 to one-third the cube of 3.

TB #2

Find 25 % of 25 % of 400.

TB #3

What part of an hour is 35 minutes?

**Make sure before you leave the testing room that you give your Answer Sheet to the Testing Monitor. You may keep this test and the scratch paper. Answers to the test will be posted in the Lobby of the Gym.**