Practice Test #3

http://www.4tests.com/ged

1) Express 2,750,389 in scientific notation.

- 27.50389×10^5
- 275.0389×10^3
- 27.50389×10^6
- 0.2750389×10^7
- 2.750389×10^6

2) A basketball team has won 50 games of 75 played. The team still has 45 games to play. How many of the remaining games must the team win in order to win 60% of all games played during the season?

- 20
- 21
- 22
- 25
- 30

3) A rectangle and a triangle have equal areas. The length of the rectangle is 12 inches, and its width is 8 inches. If the base of the triangle is 32 inches, what is the length, in inches, of the altitude drawn to the base?

- 6
- 8
- 9
- 12
- 16

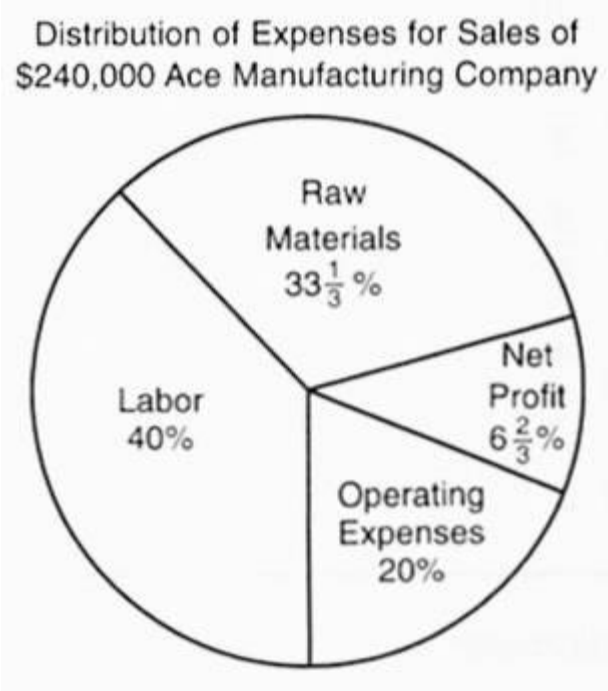
4) A school has 18 classes with 35 students in each class. In order to reduce class size to 30, how many new classes must be formed?

- 2
- 3
- 5
- 6
- 8

5)

How many dollars were spent for labor?

- $4,800
- $9,600
- $48,000
- $96,000
- $960,000

6) 

How many dollars were spent for Operating Expenses?

- $4,800
- $9,600
- $48,000
- $96,000
- $960,000

7) A man drives x miles the first day, y miles the second day, and z miles the third day. The average mileage covered per day is

- (XYZ) / 3
- (XY + Z) / 3
- X + Y + Z
- (X + Y + Z) / 3
- 3XYZ

8) What is the slope of the line passing through points A (5,4) and B(0,3)?

- 1 / 10
- 1 / 5
- 3 / 5
- 4 / 5
- 5

9) 1 kilometer =

- 10 meters
- 100 meters
- 1,000 centimeters
- 10,000 centimeters
- 1,000,000 millimeters

10) Which of the following pairs of points both lie on the line whose equation is 3x-y= 2?

- (3,-2) and (1,5)
- (2,4) and (3,7)
- (2,4) and (1,5)
- (2,-2) and (1,5)
- (3,7) and (3,-2)

11) If $3x - 1 = 11$, what is the value of $x^2 + x$?

- 12
- 15
- 16
- 18
- 20

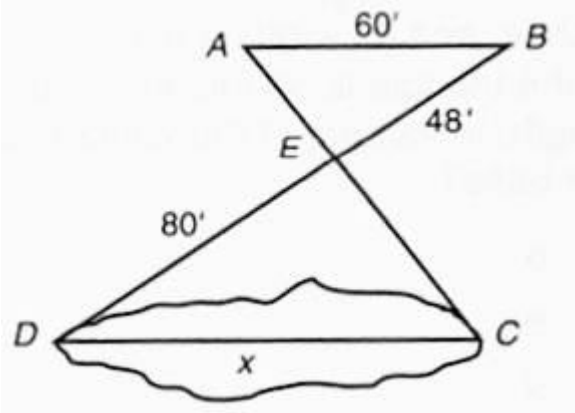
12) A bell rings every 2 hours, a second bell rings every 3 hours, and a third bell rings every 4 hours. If all 3 bells ring at 9:00 AM., at what time will all 3 bells next ring?

- noon
- 6:00 p.m.
- 9:00 p.m.
- 10:00 p.m.
- Not enough information is given

13) A family spends 20% of its monthly income on food, 23% on rent, and 42% on other expenses and saves the balance. If the family saves $360 per month, what is its monthly income?

- $2,000
- $2,200
- $2,400
- $2,500
- $28,800

14)



To measure the distance (DC) across a pond, a surveyor takes points A and B so that AB is parallel to DC. If AB = 60 feet, EB = 48 feet, and ED = 80 feet, find DC.

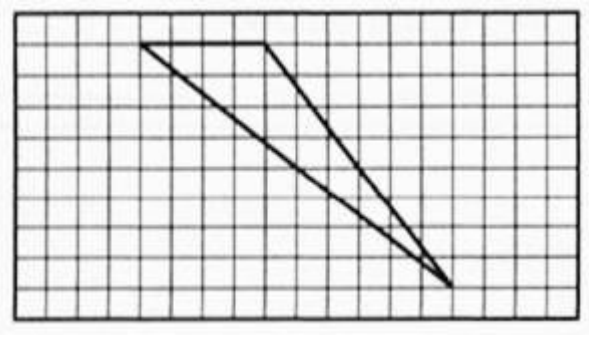
- 72 ft.
- 84 ft.
- 96 ft.
- 100 ft.
- Not enough information is given

15) How many 4-inch by 8-inch bricks are needed to build a walk 6 feet wide and 24 feet long?

- 54
- 600
- 648
- 840
- 1,000

16) Each of the numbers below is a solution of the inequality $2x + 3 > 7$ EXCEPT

- 10
- 5
- 4
- 3
- 0

17) 

What is the area, in square graph units, of the triangle?

- 8
- 10
- 16
- 32
- 48

18) A room is 24 feet long, 18 feet wide, and 9 feet high. How many square yards of wallpaper are needed to paper the four walls of the room?

- 72
- 84
- 96
- 180
- 756

19) The diameter of one bicycle wheel is 28 inches and its spokes run from the hub (or center) to the edge of the rim. The diameter of another bicycle wheel 21 inches. What is the difference in inches between the length of the spokes of the two wheels?

- 7
- 3.5
- 4.5
- 12
- 8

20) After working 4 hours, Frank has made 21 machine parts. At the same rate, how many parts can he make in 7 hours?

- 7(21) / 4
- 7(4) /21
- 7(21)
- 4(21) / 7
- 7(4)(21)

21) In his will, Mr. Adams left 25% of his estate to his wife and unevenly divided the balance between his son and his daughter. If the son received $36,000 as his share, what was the total value of the estate?

- $45,000
- $72,000
- $80,000
- $90,000
- Not enough information is given

22) 228 people have registered for a sightseeing tour of the Grand Canyon. If a tour director can take 35 people on each tour, how many tour directors will be needed to accommodate everyone?

- 5
- 6
- 7
- 8
- 9

23) Jennifer bought a brand new sports car. The price of the car was $14,900 including sport wheels, an AM/FM CD stereo, and automatic transmission. The dealer gave her a $1,250 instant rebate on the price and 0% interest for 60 months. Jennifer made a down payment of $750. What would be the expression for Jennifer's monthly payments if she takes 60 months to pay the remaining balance?

- (14900 + 750 + 1250) / 60
- 14900 / (750 + 1250 * 60)
- (14900 - (750 + 1250)) / 60
- (14900 - 750 - 1250) * 60
- 14900 + (750 - 1250) / 60

24) Select the number that matches the written value:

eight thousandths

- 8000
- .08
- .8
- .8000
- .008

25) Select the number that matches the written value:

four and nine tenths

- 4.9
- 49
- .49
- .049
- .409

26) Select the number that matches the written value:

two thousand twenty-three

- .2023
- 2.023
- 2.23

- 2023
- 2230

27) Select the number that matches the written value:

three hundred and twenty-one thousandths

- .321
- 3.021
- .0321
- 300.021
- 3210

28) John was building a new fence, and he wants it to stand 8 1/2 feet above ground level. To make sure it is secure he must place it 2 3/4 feet into the ground. How long of a post should John buy?

- 10 1/2 feet
- 10 3/4 feet
- 11 feet
- 11 1/4 feet
- 11 1/2 feet

29) Heather is buying a T-Shirt for $8. Sales tax is 8 1/4 cents per dollar. How much will Heather pay in sales tax on her purchase?

- $0.33
- $0.50
- $0.66
- $0.75
- $0.0825

30) Louis and his family are going to the zoo. The price of a bus ticket is $1.00, but the family has some coupons. If Louis pays full price, his wife pays 2/3 of the regular price, and the two children pay 1/2 of the regular price. How much will it cost for the family to take the bus?

- $4.00
- $3.66
- $3.00
- $2.66
- $1.66

31) If $4x^2 - 7 = 9$, what is the value of $x^3 + 2x$?

- 4
- 8
- 12
- 16
- 20

32) Which expression represents 0.0000008 in scientific notation?

- $8x10^8$
- $8x10^7$
- $8x10^9$
- $8x10^{-8}$
- $8x10^{-7}$

33) Leonard is travelling from New York to Nevada. The drive is 2,700 miles. He drove 300 miles the first day. 225 miles the second day. 375 miles on the third day. Based on his average speed, how many more days will he need to get to Nevada?

- 3 Days
- 6 Days
- 9 Days
- 12 Days
- 15 Days

34) After working 3 hours, Mary has made 31 cogs. At the same rate, how many cogs can she make in a 40 hours?

- 40(3) /31
- 3(31) / 40
- 40(31)
- 40(31) / 3
- (3)(31)

35) Shirley borrows $4,000 for five years to make improvements to her home workout room. If the simple interest rate is 16%, how much will she pay in interest?

- $64
- $3,200
- $4,640
- $7,200
- Unable to compute based on the information.

36) What is the average of the first 50 positive integers?

- 25
- 25.5
- 26
- 26.5

- 27

37) Cups of Lemonade Sold

Hours Spent	Cups Sold
12	10
9	15
8	20
8	20
9	27

What is the median number of cups of lemonade sold per hour?

- 8
- 10
- 12
- 15
- 20

38) Cups of Lemonade Sold

Hours Spent	Cups Sold
12	10
9	15
8	20
8	20
9	27

The group's goal was to sell 115 cups of lemonade. What percent of this goal did the group achieve?

- .80%
- 80%
- .60
- 60%
- 92%

39) If $q \neq 0$ and $q = q^{-4}$,what is the value of q?

- -1
- 0
- 1
- 2
- 4

40) In a certain set of numbers, the ratio of integers to nonintegers is 1:4. What percent of the numbers in the set are integers?

- 20%
- 25%
- 40%
- 75%
- 80%