1) 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.

Answer :: E

Explanation of Answer:

To find the value of the estate, you need to know either the daughter's share or the fractional part of the estate received by the son. Neither item of information is given.

2) 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

Answer :: C

Explanation of Answer:

228 / 35 = 6.51, so 7 tour directors will be needed.

3) 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

Answer :: C

Explanation of Answer:
(14900 - (750 + 1250)) / 60

4) Select the number that matches the written value:

   eight thousandths

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

Answer :: E

Explanation of Answer:
The values to the right of a decimal point are:

.   tenths   hundredths thousandths

5) Select the number that matches the written value:

   four and nine tenths

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

Answer :: A

Explanation of Answer:

The values to the right of a decimal point are:

.　　|　　tenths　　|hundredths |thousandths

6) Select the number that matches the written value:

two thousand twenty-three

- .2023
- 2.023
- 2.23
- 2023
- 2230

Answer:: D

7) Select the number that matches the written value:

three hundred and twenty-one thousandths

- .321
- 3.021
- .0321
- 300.021

- 3210

Answer :: D

Explanation of Answer:

The word *and* is used to represent a decimal. As such, the correct answer is 300.021 and not .321. To represent .321, the question would ask for three hundred twenty-one thousandth

8) 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

Answer :: D

Explanation of Answer:

To do this, you may add the 8 + 2 to get 10 feet and then add the fractions.

To add the fractions, you must covert them to a common denominator which would be 4 in this case. Therefore,

2/4 + 3/4 = 5/4 = 1 1/4

Then add the 1 1/4 to the 10 and you have 11 1/4.

9) 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

Answer :: C

Explanation of Answer:

$8 multiplied by 0.0825 = $0.66

10) 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

Answer :: D