**Percent Word Problems** **Answers**

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| If the sales tax is 7 % and Juli paid $15.00 in sales tax what was the amount of her purchase?  HINT: 7 % of what number = 15   |  |  | | --- | --- | | 15 | 7 | | X | 100 |   15x100= 1500 1500/7= 214.285 X=$214.29 | Taylor bought a registered cow on sale for 25% off. If she saved $375 what is the original price of the registered cow?   |  |  | | --- | --- | | 375 | 25 | | X | 100 |   375x100=37,500 37,500/25= 1,500 X =$1,500 |
| 7 students were absent from class which was 20% of the class. How many students were left in class?   |  |  | | --- | --- | | 7 | 20 | | X | 100 |   7x100=700 700/20=35 X=35 | Bryair started a weight lose program and lost 25.5 pounds which was 15% of his original weight. What was his original weight?   |  |  | | --- | --- | | 25.5 | 15 | | X | 100 |   25.5x100=2550 2550/15=170 X=170 |
| Clint bought a new car for $14, 995. He paid a sales tax of 7.5 %. How much sales tax did he pay for the new car?   |  |  | | --- | --- | | X | 7.5 | | 14,995 | 100 |   14,995x7.5=112,462.5  12,462.5/100= 1,124.25  X = $1,124.25 | Richie has a 160-acre farm. He planted 56 acres of his land with soybeans. What percentage of his farm is planted with soybeans?   |  |  | | --- | --- | | 56 | X | | 160 | 100 |   56x100=5600 5,600/160=35 X = 35 |
| Meredith spends $150 dollars at Disneyland. If that is 30% of her vacation spending money how much money did she bring?   |  |  | | --- | --- | | 150 | 30 | | X | 100 |   150x100=150,000 150,000/30=500  X=$500 | Paul earns $800 a week and 23% is taken out of his check for taxes and insurance. What is the amount left after the 23% is taken out?  (Make sure you answer the question when you have completed your computations.)   |  |  | | --- | --- | | X | 23 | | 800 | 100 |   800x23=18,400 18,400/100 X=184 taxes &ins.  800 - (184 in taxes & ins. )= $616 is the amount left |
| Jaman borrows $150,000 for a house with an interest rate of 7 % a year. What is the amount of interest on his loan for one year?   |  |  | | --- | --- | | X | 7 | | 150,000 | 100 |   150,00x7=1,050,000  1,050,000/ 100 = 10,500  X = $10,500 | Joni has a $5,000 in a CD that earns 2% every year. How much interest will she earn in one year?   |  |  | | --- | --- | | X | 2 | | 5,000 | 100 |   5000x2=10,000 10,000/100=100 X = $100 |
| Alicia has 7% left to pay on her hospital bill. If the amount she has left to pay is $385 what was the amount of her original hospital bill?   |  |  | | --- | --- | | 385 | 7 | | X | 100 |   385x100=38,500 38,500/7 = 5,500  X=5,500 | Roman has 80 toys in his playroom. If his mother cleans out his toys and donates 35% of the toys to charity, what is the number of toys she will donate?   |  |  | | --- | --- | | X | 35 | | 80 | 100 |   80x35=2800 2800/100=28 X = 28 |