The City School  
North Nazimabad Boys Campus  
Mathematics   
Grade 8  
Ms. Hira Asad  
Topic: Application of Mathematics in Practical Situations

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A shopkeeper buys a washing machine for $480. Find the sale price for a profit on cost of
2. 5%  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 9.5%  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. A man buys a second hand car for $24000. Express his loss as a percentage of the cost if he sells it for
5. $20000
6. $15000

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1. A television set is sold for $1998 and an 11% profit on cost is made. Find the original cost of the television set.  
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2. For each of the following, find (a) the simple interest, (b) the total sum of money.

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| Principal | Interest Rate | Time |
| 1. $700 | 6% | 5 years |
| 1. $360 | 8% | 3.5 years |
| 1. $480 | 4.25% | 4 years 8 months |

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1. In a certain place, the sales tax is 6%. If Jimmy pays $54 in sales tax for his refrigerator, what is its price?  
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