**The City Schools**

**North Nazimabad Boys Campus**

**Date: 31-3-2018
Class: 9
Subject: Math
Teacher: Ayesha Maqsood**

**Q1: Evaluate: /2**

1. $3\frac{1}{4}$ **-** $1\frac{4}{3}$
2. $3.01$ **× 0.02**

**Q2: A journey started at 07 44 and finished at 11 32. How long in hours and minutes did the journey takes? /1**

**Q3: Solve the following equation: /2** $\frac{3x+1}{2}$ **-** $\frac{x}{3 }$ **= 1**

**Q4: By making suitable approximation, estimate the value of** $\frac{\sqrt{35.78} × \sqrt[3]{1005}}{0.3012}$ **/2**

**Q5: $180 is shared between Ali and Hamd. So that, Ali’s share : Hamd’s share = 4:5. Find Ali’s share. /1**

**Q6: Find the simple interest on $200 for 4 years at 2% per year. /2**

**Q7: (a) Write the number 0.000034 in standard form. /1**

 **(b) Expressing your answer in the standard form, find (5 × 108) × (4 × 107). /1**

**Q8: (a) Evaluate: /2**

1. **51 + 50**

**ii) (**$\frac{4}{3})$**-2**

**(b) Simplify: (2x2)3 /1**

**Q9: Ahmed goes for shopping,**

1. **In one shop he buys shorts for $26.84 and a shirt for $ 13.97. How much does Ahmed spend altogether? /1**
2. **In another shop he buys 15 postcards for 46 cents each.**
3. **Calculate the total cost in dollars, of the postcards. /1**
4. **The rate of exchange between pounds(£) and dollars($) was 1£ = $2.50. Calculate the total cost of the postcards in pounds. /1**

**Q10: i) Sara carries out a survey of the colours of cars in a car park. She draws a pie to represent her result. There are 7 red cars and the angle represented the red cars is 40**$°$ **Calculate the totals no. of cars in the car park. /1**

1. **Solve: 6x – 5** $<9$ **+ 2x /1**