The City School

North Nazimabad Boys Campus
Mathematics
Ms. Hira Asad
Topic: Ratio, Rate and Proportions

Date: 26.01.2018

1. Express the ratio 15 seconds : 2 minutes as a single fraction in its lowest terms.
   _____
   _____

2. In the manufacture of an article, the cost of labor, material, and overheads are in the ratio 9 : 5 : 3. If the total cost is $918, find the cost of labor.
   _____
   _____
   _____

3. Divide 255 m in the ratio 3 : 7 : 7 : 10
   _____
   _____
   _____

4. A man earns $576 in a 6-day week. What is his pay for 4 days?
   _____
   _____
   _____

5. A tuition teacher charges $124 for a tuition session lasting 2.5 hours. How much should he charge for one lasting 3.75 hours, if charges are at the same hourly rate?
   _____
   _____
   _____
   _____
   _____

6. A rectangular piece of land measures 4.5 km long and 2.5 km wide.
   (a) Calculate the ratio of
   (i) its width to its length
   _____
   _____

   (ii) its length to its perimeter.
   _____
   _____
   _____
   _____