🔇 Cosmo School	
Work Sheet – 03 (Higher	c) 1000t < 5000
Mathematics) for class – Ten	d) $1000t \le 5000$
(05.10.2020) Chapter Six	7. Which of the following is the solution of the inequality?
(05.10.2020), Chapter - Six	a) $1 > 5$ b) $t > 5$
Exercise - 6.2, Inequality	c) $1 < 5$ d) $1 < 5$
Creative Multiplication Choice Questions	A car runs x km in 5 hours and $(x +$
Rafi has brought x pencils at Tk. 5 each and	100) in 4 hours. The average speed of
(x + 4) pen at Tk. 12 each. His maximum	the car does not exceed 100 km/hour.
total cost Tk. 133.	Then give the answer of question of
Answer to the questions No. $(01 - 03)$ with	no. $(08 - 09)$ with the light of the stem.
the help of above information.	8. The mean velocity per hour is-
1. What is the cost of total pench: a) Tk $5x$	a) $\frac{x+100}{9}$ b) $\frac{2x+100}{9}$
a) TK. $3X$ b) Tk $12(x \pm 4)$	c) $\frac{x-100}{d}$ d) $\frac{100}{d}$
c) Tk $(x - 5)$	9. Which is true?
d) Tk. $(x + 5)$	a) $\frac{2x+100}{2} > 100$
2. Express the above information in	x + 100
form of inequality?	b) $\frac{1}{9} \ge 100$
a) $5x + x + 4 \ge 133$	c) $\frac{2x-100}{9} \le 100$
b) $5x + 12(x + 4) \le 133$	d) $\frac{2x+100}{2} \le 100$
c) $5x + 12x + 4 \le 133$ d) $5x + 12(x + 4) - 133$	
3. What is the possible value of x?	
a) $x \ge 4$ b) $x \le 4$	Creative Questions:
c) $x \ge 5$ d) $x \le 5$	
On the basis of following information	1. David has bought x kg apples at the rote of Tk 140 per kg. Us has given a
answer to the questions No. (04 - 07):	note of Tk 1000 to the seller
The air distance of Jedda from Dhaka	a) How much money will the seller
is 5000 km. The maximum speed of a	return to David?
jet-plane is 900 km/hour. But on way	b) If the seller returns the remaining
flowing at 100 km/hour in favor of its	money with x number note of Tk.50
direction.	then express the problem in terms of
4. What is the real speed of the jet-plane	an inequality and solve it.
in km.?	c) Find the possible values of x and
a) 800 b) 900	express it as a solution set.
c) 1000 d) 1100	
5. What is the distance in km the plane	
will cover at time t?	
a) 1000t b) 900t	
c) 800t d) 1000	
o. Which of the following will be an	
word problem?	
a) $1000t > 5000$	
b) $1000t > 5000$	