# DELHI PUBLIC SCHOOL
## NAVI MUMBAI
## REVISION

**Class: VII**

**Date of Submission: 12/09/14**
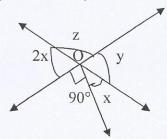
**Subject: Mathematics**

**Q1.** Find the value of $(-20 + 45) \div [-50 \times (-10 - 40)]$.

**Q2.** The area of rectangular field is $321\frac{5}{8} \, m^2$. If its length is $20\frac{3}{4}$ m, find its breadth.

**Q3.** Rita bought a dozen notebooks for Rs.136.20. If she has to buy 5 more notebooks, then how much more money will she have to pay to the shopkeeper?
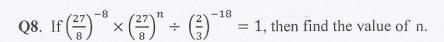
**Q4.** Find the mean of all the multiples of 20 before 150.

**Q5.** If $85\frac{1}{2} - 64\frac{x}{8} = 21\frac{1}{8}$ , then find the value of x.

**Q6.** In the given figures (i) & (ii) find angles x,y and z (Give reasons)



**Q7.** Represent $\frac{8}{3}$ and $\frac{-8}{3}$ on the number line.

**Q8.** If $\left(\frac{27}{8}\right)^{-8} \times \left(\frac{27}{8}\right)^{n} \div \left(\frac{2}{3}\right)^{-18} = 1$, then find the value of n.

**Q9.** Simplify: $(9x^2 - x + 15)(x^2 - 3) - (3x^2 + 5x - 9)(3x - 9)$. Then find the value of the expression when x=1

**Q10.** On a school picnic, a group of girls agree to pay equally for the use of a boat and each pays Rs.25. If there had been 3 more girls in the group, each would have paid Rs. 5 less. How many girls were there in the group?

**Q11.** If A: B=5:6 and B: C=4:7, then find A: B: C.

**Q12** Find the mean weight of the following data:

| Wt.(cm) | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 |
|---|---|---|---|---|---|---|---|---|
| No. of students | 8 | 10 | 15 | 20 | 8 | 6 | 2 | 1 |

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