

DELHI PUBLIC SCHOOL

NAVI MUMBAI

REVISION

Class : VIII

Subject : Mathematics

Date of Submission : 09/09/14

1. Gunjan sells two watches for Rs. 2400 each, gaining 20% on one and losing 20% on the other. Find gain or loss percent on the whole transaction.
2. A shopkeeper marks his goods at such a price that after allowing a discount of 12.5 % for cash payment, he still makes a profit of 10%. Find marked price of an article which costs him Rs. 245
3. A car can finish a certain journey in 10 hours at a speed of 24km/hr. By how much should it's speed be increased so that it may take only 8 hours to cover the same distance ?
4. A can do a piece of work in 20 days and B can finish it in 15 days. They work together for 2 days and then A goes away. In how many days will B finish the remaining work ?
5. Find the smallest no which must be added to 2300 so that it becomes a perfect square.
6. Divide $3y^5 + 6y^3 + 7y^2 + 6y^4 + 8y + 9$ by $3y^3 + 1$. Find Quotient and Remainder.
7. If $x + y = 4$ and $xy = 2$, find the value of $x^2 + y^2$.
8. 100 soldiers had enough food for 20 days. But some soldiers were transferred to another place and food lasted for 25 days. How many soldiers were transferred .
9. Pipe A can fill a tank in 4 hours and Pipe B can empty it in 6 hours. If both the pipes are opened in the empty tank, then in how many hours will it be full ?
10. Using laws of exponents - Simplify : $\frac{12^4 \times 9^3 \times 4}{6^3 \times 8^2 \times 27}$