

## REVISION WORKSHEET FOR SA1 (SESSION 2013-14)

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**CLASS – VIII**

**SUBJECT-MATHEMATICS**

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### SECTION – A

Select one correct answer out of the four options given.

- Point at which the two perpendicular axes meet, is known as :  
(a) Centre (b) vertex (c) coordinate (d) origin
- 20 – 30 is a class interval, the 25 is its –  
(a) Lower limit (b) Range (c) Class mark (d) Frequency
- L, m, n are lines such that  $m \perp l$ ,  $n \perp l$ , then  
(a)  $m \perp n$  (b)  $m \parallel n$  (c)  $m \parallel l$  (d)  $l \parallel n$
- When K is any constant for two quantities x and y which vary inversely then :  
(a)  $\frac{x}{y} = K$  (b)  $x + y = K$  (c)  $x - y = K$  (d)  $xy = K$
- Value of  $\sqrt{40} + \sqrt{81}$  is :  
(a) 11 (b) 121 (c) 7 (d) 29

### SECTION – B

- If cost price of 18 mangoes is the same as the selling price of 16 mangoes. Find the gain percent.
- Find the smallest number by which 392 must be multiplied so that the product is a perfect cube.
- Expand  $(-3x + 4y - 5)^2$
- Find the greatest number of 4 digits which is a perfect square.

### SECTION – C

- Simplify  $(a^2 - b^2)(a^2 + b^2) - (a^2 - b^2)^2$
- A shopkeeper purchased 200 bulbs for Rs 10 each. However 5 bulbs were fused and had to be thrown away. The remaining was sold at Rs 12 each. Find the gain or loss percent.
- Find the value of  $\sqrt{2}$ , correct upto two decimal places.
- If  $5x - 2y = 7$  and  $xy = 2$ , find the value of  $(5x + 2y)^2$

### SECTION – D

- Sangeeta allows 8 % discount on the marked price of a suit and still makes a profit of 15%. If her gain over the sale of a suit is Rs 156. Find the marked price of the suit.
- A train 120 m long is running at a speed of 50 km/hr. What time will it take to cross a 130 m long bridge?
- Bharti bought two fans for Rs 1200 each. She sold one at a loss of 5% and the other at a profit of 10%. Find the total profit or loss.