

classmate
Date _____
Page _____

Tender Heart High School, Sec.-33B Chd.

Class: VII

Teacher:

Subject: Mathematics

Ms. Deepika

Topic: Revision Questions

Do all the questions in the register:

Quest 1: In the given term $-\frac{4}{7}x^3y^2z$, write down the Coefficient of

(i) x^3

(ii) y^2

(iii) z

(iv) x^3y^2

(v) xyz

(vi) xyz

Quest 2: Write down the numerical as well literal coefficient of the following

(i) $-\frac{2}{3}xy$

(ii) $-\frac{7xyz}{ab}$

(iii) $-\frac{2xy}{9abc}$

Quest 3: Add the following

(i) $2x + 9y - 2z$, $4x - 7y + 8z$ and $6x + 11x + 3z$

(ii) $2x^2 + 4xy - 9xz$, $6x^3 - 9xy + 12xz$

Quest 4: What should be subtracted from $14a + 19b - 23c$ to get $18a - 20b - 16c$.

Quest 5: A cyclist covers 175 metres in 25 sec. What is his speed in m/sec? also find his speed in km/hr.

Quest 6: A train 125 m long is running at 60 km/hr. In how much time will it pass a Tunnel of 275 m long?

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Quest 7. Write all the formulas based on the chapter "Profit and Loss".

Quest 8. A man sold two bicycles for ₹9900, each, gaining 10% on the one and losing 10% on the other. Find his gain or loss % on the whole transaction.

Quest 9. Solve the given equations:

(i) $4(x+3) = 2(x-9) + 20$

(ii) $\frac{x+3}{7} - \frac{(3x-5)}{5} = \frac{(2x-5)}{3} - 25$

Quest 10. (i) Find the cost of levelling a foot path @ ₹120.65 per m^2 if its length is 120 m and breadth is 65 m.

(ii) Find the area and height of equilateral Δ of side 18 cm. use $\sqrt{3} = 1.732$

(iii) find the area of scalene Δ whose sides are 50 cm, 48 cm and 14 cm. (Use Heron's formula)

Quest 11. If $A = \{2, 4, 6, 8, 10, 12, 14\}$ and $B = \{4, 8, 12\}$

(i) $A \cup B$

(ii) $A \cap B$

(iii) $A - B$

(iv) $B - A$

