

Revision : 2

1(A) Fill in the blanks :

- (1) In the graph paper, horizontal line is called
- (2) Area of rectangle =
- (3) Conversion of $\frac{3}{8}$ into percentage is
- (4) Conversion of 1 into percentage is
- (5) C.P. = ₹ 250, S.P. = ₹ 285, then Profit = %
- (6) C.P. = ₹ 1260, Expense = ₹ 240, S.P. = ₹ 1365, then Loss = %
- (7) $(-1) \times (-1) \times (-1) \times (-1) \times (-1)$ is written as in exponent form.
- (8) Value of $7^2 \times 2^4$ is
- (9) Exponent form of $3 \times 3 \times 3 \times 7 \times 7$ is
- (10) Lines l and m are perpendicular lines. Symbolically it is written as

1(B) Do the following sums :

- (1) C.P. = ₹ 300 S.P. = ₹ 350, then how much rupees profit or loss occur ?
- (2) Find the value of $2 \times 2 \times 3 \times 3 \times 3$ and show them in exponent form.
- (3) Length of a side of carrom is 110 cm, then find perimeter of the carrom.

Convert the following percentage into numbers :

2. Tick the sign in the given boxes as per that numbers :

- (1) Tick + sign in 20 % boxes :
- (2) Tick • sign in 12.5 % boxes :

3. Complete the following Table :

No.	Exponent form	Base	Exponent	Read as
(1)	$(-2)^6$			
(2)	5^{10}			
(3)	$(-3)^4$			
(4)	7^5			
(5)	$(-11)^8$			

(Teacher should check the Table filled up by students.)

4. Match the following :

Section A	Section B
(1) Profit	(i) 50 %
(2) Loss	(ii) 1 %
(3) Net price	(iii) C.P. - S.P.
(4) $\frac{6}{12}$	(iv) C.P. + Expense
(5) 0.01	(v) S.P. - N.P.

5. Classify the following polynomials into monomial, binomial and trinomial :

$$11a^2 - a, a^3, 2a^2 - 2a + 5, 3ab^2 - 2a + 6, 12x^2 - 3x, -8, 2x^2 - 3, x, a^3 + 1, 4 - 2y^3z^4$$

6. Complete the following Table :

No.	Term	Variable	Exponent of variable	Exponent of term	Coefficient of term
1.	$7y^2$				
2.	$-3a^2b^2c^4$				
3.	$8xy^2z^8$				
4.	$-3x^3y^4$				
5.	18				

(Teacher should check the Table filled up by students.)

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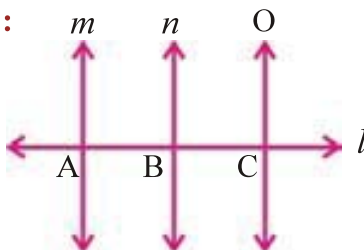
7. Find the value of following polynomials by taking $x = 1$, $y = 3$ and $a = 2$:

(1) $y^2 - xy + y$ (2) $x^3 + ay + 10$ (3) $2x^2 - x + 2$

(4) $x^3 + y^2$ (5) $3x^4 - ax^3 + 5x - 3$

8. In the following diagram which three lines are perpendicular to line l ?

Show them symbolically :



9. Take a point J on \overleftrightarrow{HG} , with the help of set square draw perpendicular line \overleftrightarrow{JM} , passing through point J and perpendicular to \overleftrightarrow{HG} .

10. Take a point H, outside the \overleftrightarrow{KR} . With the help of set square draw \overleftrightarrow{HT} perpendicular to \overleftrightarrow{KR} .

11. Length and breadth of a ground is 20 m and 15 m respectively. Find the cost to prepare lawn in it, at the rate of ₹ 5 per square meter.

12. Meenaben is preparing *Papad*. To prepare 20 kg *Papad*, raw material of ₹ 2000 is necessary. She spent ₹ 500 on her workers. If she sells all *Papads* in ₹ 2750, then how much percentage profit did she get ?

Answers

1(A) (1) X-axis (2) length \times Breadth (3) 37.50 % (4) 100 %
 (5) 14 (6) 9 (7) $(-1)^5$ (8) 784
 (9) $3^3 \times 7^2$ (10) $l \perp m$

1(B) (1) Profit ₹ 50 (2) 324 and $2^2 \times 3^4$ (3) 440 cm

4. (1) (v) (2) (iii) (3) (iv) (4) (i) (5) (ii)

5. **Monomials** : a^3 , -8 , x

Binomials : $11a^2 - a$, $12x^2 - 3x$, $2x^2 - 3$, $a^3 + 1$, $4 - 2y^3z^4$

Trinomials : $3ab^2 - 2a + 6$, $2a^2 - 2a + 5$

7. (1) 9 (2) 17 (3) 3 (4) 10 (5) 3

8. $l \perp m$, $l \perp n$, $l \perp o$ 11. ₹ 1500 12. 10 %