



BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY | CO-ED DAY CUM BOYS' RESIDENTIAL
SCHOOL

PRE MID TERM EXAM (2024)



MARKING SCHEME

Class : VIII
Date :31-07-2024

Duration : 1 Hr
Max. Marks : 25

I. MCQ

- 1 (B)
2. Rational Numbers (A)
3. Addition and Multiplication (B)
4. Commutative (C)
5. 2 (B)
6. 6 (A)
7. 1 (A)
8. 50 (C)

$$9. \frac{4}{3} + \frac{8}{3} + \frac{2}{5} = \frac{20}{15} + \frac{40}{15} + \frac{6}{15} \quad (\text{LCM} = 15) \quad 1$$
$$= \frac{66}{15} \quad 1$$

$$10. 5x - 3x = 5 - 9 \quad 1$$
$$2x = -4 \quad \frac{1}{2}$$
$$x = -2 \quad \frac{1}{2}$$

$$11. i) \frac{-25}{72} \quad 1$$

$$ii) \frac{9}{8} \quad 1$$

$$12. 4y + 3 = -6 + 2y$$
$$4y - 2y = -6 - 3 \quad 1$$
$$2y = -9 \quad \frac{1}{2}$$
$$y = \frac{-9}{2} \quad \frac{1}{2}$$

$$13. 5x - 3 = 3x - 5 \quad \frac{1}{2}$$
$$5x - 3x = -5 + 3 \quad \frac{1}{2}$$
$$2x = -2 \quad \frac{1}{2}$$
$$x = -1$$

Checking : $5(-1) - 3 = 3(-1) - 5$	$\frac{1}{2}$
$-5 - 3 = -3 - 5$	$\frac{1}{2}$
$-8 = -8$	$\frac{1}{2}$
14. $15y - 60 - 2y + 18 + 5y + 30 = 0$	1
$20y - 2y + 18 + 30 - 60 = 0$	$\frac{1}{2}$
$18y + 48 - 60 = 0$	$\frac{1}{2}$
$18y - 12 = 0$	$\frac{1}{2}$
$y = \frac{12}{18}$	$\frac{1}{2}$
15. $\frac{3}{5} \times [\frac{7}{12} + \frac{9}{12}] = \frac{3}{5} \times [\frac{7+9}{12}]$ (LCM = 12)	$1\frac{1}{2}$
$= \frac{3}{5} \times \frac{16}{12}$	$\frac{1}{2}$
$= \frac{4}{5}$	$\frac{1}{2}$
ii) a) 1 multiplicative Identity	$\frac{1}{2}$
b) Commutative	$\frac{1}{2}$
