

1. If 'x' means '+', '-' means 'x', '÷' means '+' and '+' means '-' then
 $(3 - 15 \div 11) \times 8 + 7 = ?$
 (1) 1 (2) 4 (3) 0
 (4) 8 (5) None of these
2. If '+' means '÷', 'x' means '-', '÷' means 'x' and '-' means '+' then what will be the result of the following expression?
 $9 + 3 \div 4 - 8 \times 12 = ?$
 (1) $-6\frac{1}{4}$ (2) $6\frac{3}{4}$ (3) 18
 (4) $-1\frac{3}{4}$ (5) None of these
3. If 'x' means '+', '-' means 'x', '÷' means '+' and '+' means '-' then
 $(3 - 18 \div 11) \times 13 \div 8 = ?$
 (1) 18 (2) 13 (3) 11
 (4) 1 (5) None of these
4. If 'A' means '-', 'B' means '÷', 'C' means '+' and 'D' means 'x' then -
 $25 B 5 C 24 A 2 D 12 = ?$
 (1) 34 (2) 5 (3) $-23\frac{4}{9}$
 (4) 2 (5) None of these
5. If 'Δ' means '+', '□' means 'x', '⊞' means '÷' and 'θ' means '-' then
 $40 \square 8 \Delta 16 \theta 13 = ?$
 (1) 69 (2) 75 (3) 78
 (4) 99 (5) None of these
6. If '+' means '÷', 'x' means '+', '-' means 'x' and '÷' means '-' then which of the following will be the correct equation?
 (1) $72 \div 6 - 3 \times 5 \div 3 = 38$
 (2) $72 \times 6 + 7 \div 2 - 6 = 24$
 (3) $72 \div 6 + 3 \times 5 - 3 = 45$
 (4) $72 - 6 + 3 \times 5 \div 3 = 64$
 (5) None of these
7. If '-' means '+', '+' means '-', 'x' means '÷' and '÷' means 'x' then which of the following will be the correct equation?
 (1) $10 + 5 - 14 \div 10 \times 15 = 155$
 (2) $30 + 5 + 14 - 10 \times 15 = 122$
 (3) $30 - 5 + 14 \div 10 \times 15 = 162$
 (4) $30 \times 5 - 4 \div 10 + 15 = 31$
 (5) None of these
8. If '+' means '-', 'x' means '-', '÷' means 'x' and '-' means '+' then
 $18 + 6 \times 4 \div 3 - 4 = ?$
 (1) 12 (2) $\frac{20}{3}$ (3) $-\frac{20}{3}$
 (4) -12 (5) None of these
9. If '+' means '÷', 'x' means '-', '÷' means 'x' and '-' means '+' then
 $27 + 3 \div 4 - 8 \times 12 = ?$
 (1) 32 (2) $6\frac{3}{4}$ (3) $-1\frac{3}{4}$
 (4) $6\frac{1}{4}$ (5) None of these
10. If '÷' means 'x', 'x' means '-', '+' means '÷' and '-' means '+' then
 $600 \div 5 + 15 - 20 \times 25 = ?$
 (1) 25 (2) -27 (3) 195
 (4) -45 (5) None of these
11. If '+' means '÷', 'x' means '+', '-' means 'x' and '÷' means '-' then which of the following will be the correct equation?
 (1) $24 + 8 - 7 \times 6 \div 4 = 25$
 (2) $20 \times 5 + 12 \div 6 \times 5 = 15$
 (3) $20 \div 5 + 6 \times 12 - 4 = 67\frac{1}{6}$
 (4) $50 - 4 + 8 \times 18 \div 6 = 21$
 (5) None of these
12. If x means '+', y means '-', z means '÷' and p means 'x' then
 $(20 p 2 \times 5 y 5) z 8 = ?$
 (1) 5 (2) 10 (3) 15
 (4) 20 (5) None of these

13. If '+' shows '=', '-' shows '>', 'x' shows '+', '÷' shows '<', '=' shows '<', '>' shows 'x', and '<' shows '-' then the correct expression is-

- (1) $5 + 2 \times 1 = 3 + 14 > 11$
- (2) $5 > 2 \times 1 - 3 > 4 < 1$
- (3) $5 \times 2 < 1 - 3 < 4 \times 11$
- (4) $5 < 2 \times 1 \div 3 > 4 \times 11$
- (5) None of these

14. If '+' shows '>', 'x' shows '+', '÷' shows '<', '-' shows '=', '>' shows 'x', '=' shows '<', '<' shows '-' then which of the following will be the correct?

- (1) $3 + 2 < 4 \div 6 > 3 \times 2$
- (2) $3 \times 2 < 4 \div 6 + 3 < 2$
- (3) $3 > 2 < 4 - 6 \times 3 \times 2$
- (4) $3 \times 2 \times 4 = 6 + 3 < 2$
- (5) None of these

15. If '+' means '÷', '÷' means 'x', 'x' means '-', '-' means '+', then which of the following will be the correct?

- (1) $18 \div 6 - 7 + 5 \times 2 = 20$
- (2) $18 + 6 \div 7 \times 5 - 2 = 18$
- (3) $18 \times 6 + 7 \div 6 - 2 = 16$
- (4) $18 \div 6 \times 7 + 5 - 2 = 22$
- (5) None of these

16. If '-' means '÷', '+' means 'x', '÷' means '-', 'x' means '+', then which of the following will be the correct?

- (1) $6 \div 20 \times 12 + 7 - 1 = 70$
- (2) $6 + 20 - 12 \div 7 \times 1 = 62$
- (3) $6 - 20 + 12 \times 7 + 1 = 57$
- (4) $6 + 20 - 12 \div 7 - 1 = 38$
- (5) None of these

Directions (17-20): Study the following information carefully to answer the given questions:

- 'A * B' means 'A x B'.
- 'A @ B' means 'A - B'.
- 'A \$ B' means 'A + B'.
- 'A # B' means 'A ÷ B'.

17. Rupesh donates 7% of his monthly salary 'R' and ₹ 3000 as rent of his house. What will remain with him after donating 7% and paying house rent?

- (1) $R @ 3000 @ 7 * 100 \# R$

- (2) $R @ 7 * R \# 100 \# 3000$
- (3) $R @ (R * 7 \# 100 \$ 3000)$
- (4) $3000 \$ 7 * 100 \# R @ R$
- (5) None of these

18. What will be the average of five continuous even numbers in which 'S' is the smallest number?

- (1) $(S \$ 20) \# 5$
- (2) $30 \# S \$ 5$
- (3) $S \$ 4$
- (4) $S \$ 10 \# 5$
- (5) None of these

19. If the price of 6 lemons is ₹ 5 then how much lemons can be purchased in ₹ 100.

- (1) $6 * 5 \# 100$
- (2) $100 * 6 \# 5$
- (3) $100 \$ 6 * 5$
- (4) $6 * 100 @ 5$
- (5) None of these

20. The area of a circle is $\frac{22}{7}$ times the square of its radius. How many times the surface area of 21 circle will be of radius (r cm)?

- (1) $22 * r 7 * r \# 21$
- (2) $22 \# 21 * r * r$
- (3) $66 r^2 \# 7$
- (4) $66 * r * r$
- (5) None of these

21. If R means x, D means ÷, A means + and S means -, then what is the value of $95 D 19 R 11 S 28 A 17$?

- (1) 34
- (2) 46
- (3) 35
- (4) 48
- (5) None of these

22. If 'P' means 'x', 'R' means '+', 'T' means '÷' and 'S' means '-', then $18 T 3 P 9 S 8 R 6 = ?$

- (1) $-1\frac{1}{3}$
- (2) 46
- (3) 58
- (4) $\frac{2}{3}$
- (5) None of these

23. If '<' means 'minus', '>' means 'plus', '=' means 'multiplied by', and '\$' means 'divided by', then what would be the value of

$$27 > 81 \$ 9 < 8 = 2 = ?$$

- (1) 20
- (2) -4
- (3) 8
- (4) 56
- (5) None of these

24. If 'P' means 'division', 'T' means 'addition', 'M' means 'subtraction', and 'D' means 'multiplication', then what will be the value of the following expression?
 $12 M 12 D 28 P 7 T 15 ?$
 (1) -15 (2) 45 (3) -30
 (4) 15 (5) None of these
25. If '+' means 'divided by', '-' means 'added to', 'x' means 'subtracted from' and '÷' means 'multiplied by' then what is the value of -
 $24 \div 12 - 18 \div 9 ?$
 (1) 15.30 (2) 290 (3) -25
 (4) 0.72 (5) None of these
26. If \$ means 'plus (+)', # means 'minus (-)', @ means 'multiplied (x)', and * means 'divided (+)', then what is the value of
 $'16 \$ 4 @ 5 \# 72 * 8' ?$
 (1) 29 (2) 27 (3) 25
 (4) 36 (5) None of these
27. If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+' in the given equation, then
 $[(217 \times 310) + (190 + 114)] - 100 \div 50 = ?$
 (1) 40 (2) 60 (3) 80
 (4) 100 (5) None of these
28. If 'L' means 'x', 'M' means '+', 'N' means '÷' and 'P' means '-' then
 $14 N 2 L 7 P 25 M 1 = ?$
 (1) -25 (2) -23 (3) 25
 (4) 24 (5) None of these
29. If '+' means '÷', '÷' means '-', '-' means 'x' and 'x' means '+' then what is the value of
 $6 \times 3 \div 2 - 2 + 5 = ?$
 (1) $8\frac{1}{5}$ (2) $2\frac{2}{5}$ (3) 3
 (4) $4\frac{2}{7}$ (5) 5
30. If 'P' denotes '÷', 'Q' denotes 'x', 'R' denotes '+' and 'S' denotes '-' then
 $18 Q 14 P 4 R 5 S 6 = ?$
 (1) 31 (2) 57 (3) 53
 (4) 95 (5) 0
31. If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+' then, find the value of
 $14 \times 3 \div 11 - 3 + 101 = ?$
 (1) 63.3 (2) -63.3 (3) 63.48
 (4) 63.3 (5) -63
32. If '*' means 'x', '#' means '-', '@' means '÷' and '\$' means '+' then
 $25 \# 5 \$ 3 * 4 @ 6 = ?$
 (1) 12 (2) 15.3 (3) 22
 (4) 8 (5) None of these
33. If '-' means '+', '+' means 'x', '÷' means '-' and 'x' means '÷' then, which of the following equation is correct?
 (1) $36 - 12 \times 6 \div 3 + 4 = 60$
 (2) $43 \times 7 \div 5 + 4 - 8 = 25$
 (3) $36 \times 4 - 12 + 5 \div 3 = 420$
 (4) $52 \div 4 + 5 \times 8 - 2 = 36$
 (5) None of these
34. If '+' is written as 'x', '-' is written as '÷', 'x' is written as '-' and '÷' is written as '+' then, what is the actual value of -
 $72 + 9 \times 45 - 5 \div 42 - 6 ?$
 (1) 648 (2) 646 (3) 656
 (4) 636 (5) None of these
35. If 'P' means '-', 'Q' means 'x', 'R' means '÷' and 'S' means '+' then what will be the value of the following expression?
 $8 Q 7 S 30 R 15 P 10$
 (1) 33 (2) 39 (3) 48
 (4) 49 (5) 42
36. If 'P' means '+', 'Q' means 'x', 'R' means '÷' and 'T' means '-' then what will be the value of
 $120 R 15 Q 5 P 16 T 22 ?$
 (1) -34 (2) 16 (3) -35
 (4) 35 (5) 34
37. If '+' means '÷', 'x' means '+', '-' means 'x' and '÷' means '-' then what will be the value of $800 + 20 - 4 \times 40 \div 10 ?$
 (1) 3984 (2) 984 (3) 3264
 (4) 190 (5) 200
38. If 'A' means 'x', 'B' means '÷', 'C' means '+' and 'D' means '-' then what is the value of
 $180 B 15 D 11 C 8 A 10 ?$
 (1) -79 (2) 102 (3) 83
 (4) 92 (5) None of these
39. If '+' stands for '-', '÷' stands for '+', '-' stands for 'x' and 'x' stands for '÷' then, which one of the following equations is correct?
 (1) $265 + 11 - 2 \times 14 = 22$
 (2) $2 - 14 \times 4 \div 11 = 16$
 (3) $46 - 10 + 10 \times 5 = 92$
 (4) $66 \times 3 - 11 + 12 = 230$
 (5) None of these
40. If 'P' means 'x', 'Q' means '÷', 'R' means '+' and 'S' means '-' then what is value of
 $154 Q 14 S 7 P 3 R 25 ?$
 (1) 35 (2) 57 (3) 42
 (4) 25 (5) None of these

Answers with Explanation:

1. 3; After changing signs according to the question, the new equation will be:
 $(3 \times 15 + 11) + 8 - 7$
 $(45 + 11) + 8 - 7 = ?$
 $56 + 8 - 7 = ?$
 $7 - 7 = ?$
 $\therefore ? = 0$
2. 5; After changing signs according to the question, the new equation will be:
 $9 + 3 \times 4 + 8 - 12$
 $3 \times 4 + 8 - 12 = ?$
 $12 + 8 - 12 = ?$
 $20 - 12 = 8$
3. 2; After changing signs according to the question, the new equation will be:
 $(3 \times 18 + 11) + 13 + 8$
 $= (54 + 11) + 13 + 8$
 $= 65 + 13 + 8 = 5 + 8 = 13$
4. 2; After changing signs according to the question, the new equation will be:
 $25 \div 5 + 24 - 2 \times 12$
 $= 5 + 24 - 24 = 29 - 24 = 5$
5. 5; After changing signs according to the question, the new equation will be:
 $40 \div 8 + 16 \times 4 - 13$
 $= 5 + 16 \times 4 - 13$
 $= 5 + 64 - 13 = 69 - 13 = 56$
6. 1; After changing signs according to the question, the new equations will be:
Here,
(1) $72 \div 6 \times 3 + 5 - 3 = 38$
(2) $72 \div 6 + 7 - 2 \times 6 = 17$
(3) $72 - 6 \div 3 + 5 \times 3 = 85$
(4) $72 \times 6 \div 3 + 5 - 3 = 146$
From option (1),
 $72 \div 6 \times 3 + 5 - 3$
 $= 12 \times 3 + 5 - 3$
 $= 36 + 5 - 3$
 $= 41 - 3 = 38$ (True)
7. 4; After changing signs according to the question, the new equation will be:
Here,
(1) $10 - 5 + 14 \times 10 \div 15 = 14\frac{1}{3}$
(2) $30 - 5 - 14 + 10 \div 15 = 11\frac{2}{3}$
(3) $30 + 5 - 14 \times 10 \div 15 = 25\frac{2}{3}$
(4) $30 + 5 + 4 \times 10 - 15 = 31$
From option (4),
 $30 + 5 + 4 \times 10 - 15$
 $= 6 + 40 - 15$
 $= 46 - 15 = 31$ (True)
8. 5; After changing signs according to the question, the new equation will be:
 $18 + 6 - 4 \times 3 + 4$
 $= 3 - 4 \times 3 + 4 = 3 - 12 + 4$
 $= 7 - 12 = -5$
9. 1; After changing signs according to the question, the new equation will be:
 $27 + 3 \times 4 + 8 - 12$
 $= 9 \times 4 + 8 - 12$
 $= 36 + 8 - 12 = 44 - 12 = 32$
10. 3; After changing signs according to the question, the new equation will be:
 $600 \times 5 \div 15 + 20 - 25$
 $= 600 \times \frac{5}{15} + 20 - 25$
 $= 40 \times 5 + 20 - 25 = ?$
 $= 200 + 20 - 25 = ?$
 $= 220 - 25 = 195$
11. 3; After changing signs according to the question, the new equations will be:
(1) $24 \div 8 \times 7 + 6 - 4 = 23$
(2) $20 + 5 \div 12 - 6 + 5 = 19\frac{5}{12}$
(3) $20 - 5 \div 6 + 12 \times 4 = 67\frac{1}{6}$
(4) $50 \times 4 \div 8 + 18 - 6 = 37$
From option (3),
 $20 - 5 \div 6 + 12 \times 4$
 $= 20 - \frac{5}{6} + 48 = 68 - \frac{5}{6} = 67\frac{1}{6}$ (True)
12. 1; After changing signs according to the question, the new equation will be:
 $(20 \times 2 + 5 - 5) \div 8$
 $= (40 + 5 - 5) \div 8$
 $= (45 - 5) \div 8 = 40 \div 8 = 5$
13. 2; After changing signs according to the question, the new equations will be:
Here,
(1) $5 \div 2 + 1 < 3 \div 14 \times 11$
or, $3.5 < 2\frac{5}{14}$ (Incorrect)
(2) $5 \times 2 + 1 = 3 \times 4 - 1$ (Correct)
(3) $5 + 2 - 1 = 3 - 4 + 11$

or, $9 = 10$ (Incorrect)
 (4) $5 - 2 + 1 > 3 \times 4 + 11$
 or, $4 > 23$ (Incorrect)

From option (2),

$$5 \times 2 + 1 = 3 \times 4 - 1$$

$$= 11 = 11 \text{ (True)}$$

14.2; After changing signs according to the question, the new equations will be:

Here,

$$(1) 3 + 2 - 4 > 6 \times 3 + 2$$

or, $-2.5 > 20$ (Incorrect)

$$(2) 3 + 2 - 4 > 6 \div 3 - 2$$

or, $1 > 0$ (Correct)

$$(3) 3 \times 2 - 4 = 6 + 3 + 2$$

or, $2 = 11$ (Incorrect)

$$(4) 3 + 2 + 4 < 6 \div 3 - 2$$

or, $9 < 0$ (Incorrect)

From option (2),

$$3 + 2 - 4 > 6 \div 3 - 2 = 1 > 2 - 2 = 1 > 0$$

15.2; After changing signs according to the question, the new equations will be:

$$(1) 18 \times 6 + 7 \div 5 - 2 = 107 \frac{2}{5}$$

$$(2) 18 \div 6 \times 7 - 5 + 2 = 18$$

$$(3) 18 - 6 \div 7 \times 6 + 2 = 14 \frac{6}{7}$$

$$(4) 18 \times 6 - 7 \div 5 + 2 = 108 \frac{3}{5}$$

From option (2),

$$18 \div 6 \times 7 - 5 + 2 = 3 \times 7 - 5 + 2$$

$$= 21 - 5 + 2 = 23 - 5 = 18$$

16.1; After changing signs according to the question, the new equations will be:

$$(1) 6 - 20 + 12 \times 7 \div 1 = 70$$

$$(2) 6 \times 20 \div 12 - 7 \div 1 = 4$$

$$(3) 6 \div 20 - 12 \div 7 \times 1 = -4 \frac{7}{10}$$

$$(4) 6 \times 20 \div 12 - 7 \div 1 = 3$$

From option (1),

$$6 - 20 + 12 \times 7 \div 1$$

$$= 6 - 20 + 12 \times 7$$

$$= 6 - 20 + 84 = 90 - 20 = 70$$

17.3; Remaining Amount.

$$= R - \left(\frac{7R}{100} + 3000 \right)$$

$$= R @ (R \div 7 \neq 100 \$ 3000)$$

18.3; Sum of five continuous even numbers

$$= S + S + 2 + S + 4 + S + 6 + S + 8$$

$$= 5S + 20 = 5(S + 4)$$

$$\text{Average} = \frac{5(S+4)}{5} = S + 4$$

$$= S + 4 = \$ \$ 4$$

19.2; \therefore In Rs. 5, 6 lemons can be purchased
 \therefore In Rs. 100, the number of lemons can be purchased

$$= \frac{6}{5} \times 100 = 100 \div 5 \times 6 = 120$$

20.4; Area of total 21 circles = $21 \pi r^2$

$$= 21 \times \frac{22}{7} \times r \times r$$

$$= 22 \times 3 \times r \times r$$

$$= 66 \times r \times r = 66 r^2$$

21.5; After changing signs according to the question, the new equation will be:

$$95 + 19 \times 11 - 28 + 17$$

$$= 5 \times 11 - 28 + 17 = 55 - 28 + 17$$

$$= 55 + 17 - 28 = 72 - 28 = 44$$

22.5; After changing signs according to the question, the new equation will be:

$$18 \div 3 \times 9 - 8 + 6$$

$$= 6 \times 9 - 8 + 6 = 54 - 8 + 6$$

$$= 60 - 8 = 52$$

23.1; After changing signs according to the question, the new equation will be:

$$27 + 81 \div 9 - 8 \times 2$$

$$= 27 + 9 - 16 = 36 - 16 = 20$$

24.5; After changing signs according to the question, the new equation will be:

$$12 - 12 \times 28 \div 7 + 15$$

$$= 12 - 12 \times 4 + 15 = 12 - 48 + 15$$

$$= 27 - 48 = -21$$

25.2; After changing signs according to the question, the new equation will be:

$$24 \times 12 + 18 \div 9$$

$$= 24 \times 12 + 2 = 288 + 2 = 290$$

26.2; After changing signs according to the question, the new equation will be:

$$16 + 4 \times 5 - 72 \div 8$$

$$= 16 + 4 \times 5 - 9$$

$$= 16 + 20 - 9 = 36 - 9 = 27$$

27.5; We have

$$[(217 \times 310) + (190 + 114)] \times 190 - 100 \div 50$$

After changing signs according to the instruction in the question part, the new equation will be:

$$[(217 \div 310) - (190 - 114)] \div 190 \times 100 + 50$$

$$= \left[\left\{ \frac{217}{310} - 76 \right\} \div 190 \right] \times 100 + 50$$

$$= \left[\frac{-753}{10} \div 190 \right] \times 100 + 50$$

$$= -\frac{753}{1900} \times 100 + 50 = -39\frac{12}{19} + 50 = 10\frac{7}{9}$$

28.3; After changing signs according to the question, the new equation will be:

$$14 \div 2 \times 7 - 25 + 1$$

$$= 7 \times 7 - 25 + 1 = 49 - 25 + 1$$

$$= 49 + 1 - 25 = 50 - 25 = 25$$

29.1; After changing signs according to the question, the new equation will be:

$$6 + 3 - 2 \times 2 \div 5$$

$$= 6 + 3 - 2 \times \frac{2}{5} = 6 + 3 - \frac{4}{5} = 9 - \frac{4}{5}$$

$$= \frac{45 - 4}{5} = \frac{41}{5} = 8\frac{1}{5}$$

30.3; After changing signs according to the question, the new equation will be:

$$18 \times 12 \div 4 + 5 - 6$$

$$= 18 \times 3 + 5 - 6$$

$$= 54 + 5 - 6 = 59 - 6 = 53$$

31.2; After changing signs according to the question, the new equation will be:

$$14 \div 3 + 11 \times 3 - 101$$

$$= \frac{14}{3} + 33 - 101 = -63\frac{1}{3}$$

$$= -63.3333\ldots = -63\frac{1}{3}$$

32.3; After changing signs according to the question, the new equation will be:

$$25 - 5 + 3 \times 4 \div 6$$

$$= 25 - 5 + 3 \times \frac{2}{3} = 25 - 5 + 2$$

$$= 25 + 2 - 5 = 27 - 5 = 22$$

33.4; From equation (4), After changing signs according to the question, the new equations will be:

$$(1) 36 \div 12 + 6 - 3 \times 4 = -3$$

$$(2) 43 + 7 - 5 \times 4 \div 8 = 47\frac{1}{2}$$

$$(3) 36 \div 4 \div 12 \times 5 - 3 = 34\frac{2}{3}$$

$$(4) 52 - 4 \times 5 + 8 \div 2 = 36$$

From option (4),

$$52 - 4 \times 5 + 8 \div 2$$

$$= 52 - 4 \times 5 + 4 = 52 - 20 + 4$$

$$= 52 + 4 - 20 = 56 - 20 = 36 \text{ (True)}$$

34.5; After changing signs according to the question, the new equation will be:

$$72 \times 9 - 45 \div 5 + 42 \div 6$$

$$= 72 \times 9 - 9 + 7 = 648 - 9 + 7$$

$$= 655 - 9 = 645$$

35.3; After changing signs according to the question, the new equation will be:

$$8 \times 7 + 30 \div 15 - 10$$

$$= 8 \times 7 + 2 - 10 = 56 + 2 - 10$$

$$= 58 - 10 = 48$$

36.5; After changing signs according to the question, the new equation will be:

$$120 \div 15 \times 5 + 16 - 22$$

$$= 8 \times 5 + 16 - 22 = 40 + 16 - 22$$

$$= 56 - 22 = 34$$

37.4; After changing signs according to the question, the new equation will be:

$$800 \div 20 \times 4 + 40 - 10$$

$$= 40 \times 4 + 40 - 10$$

$$= 160 + 40 - 10 = 200 - 10 = 190$$

38.5; After changing signs according to the question, the new equation will be:

$$180 \div 15 - 11 + 8 \times 10$$

$$= 12 - 11 + 8 \times 10$$

$$= 12 - 11 + 80 = 92 - 11 = 81$$

39.4; From equation (4) After changing signs according to the question, the new equations will be:

$$(1) 265 - 11 \times 2 \div 14 = 263\frac{3}{7}$$

$$(2) 2 - 14 \times 4 \div 11 = 16$$

$$(3) 46 - 10 + 10 \times 5 = 92$$

$$(4) 66 \div 3 \times 11 - 12 = 230$$

From option (4):

$$66 \div 3 \times 11 - 12$$

$$= 22 \times 11 - 12 = 242 - 12$$

$$= 230 \text{ (True)}$$

40.5; After changing signs according to the question, the new equation will be:

$$154 \div 14 - 7 \times 3 + 25$$

$$= 11 - 7 \times 3 + 25 = 11 - 21 + 25$$

$$= 36 - 21 = 15$$