SECTION - 1

1. $(26 \times 14) + (14 \times 24) =$ _____

(a) 650 (b) 750

(c) 700 (d) 600

2. $(44 \times 3) + (57 \times 3) - (61 \times 9)$ = _____

(a) 246 (b) – 196

(c) 196 (d) – 246

3. (60% of 240) – (80% of 120) = _____

(a) 36 (b) 48

(c) 18 (d) 24

4. (half of 316) + (one third of 96) = _____

(a) 190 (b) 195

(c) 196 (d) 180

5. Square of 34 – Square of 27 = _____

(a) 377 (b) 407

(c) 397 (d) 427

6. Square of 28 + Square of 15 – Square of 21 = _____

(a) 528 (b) 508

(c) 568 (d) 588

7. Square of 32 + cube root of 512 = _____

(a) 1016 (b) 1032

(c) 1048 (d) 1024

8. $\frac{21}{40}$ = _____

(a) 0.525 (b) 0.625

(c) 0.75 (d) 0.65

9. The bridge A is 0.863 km and bridge B is 2.17 km long. Find the difference of their length.

(a) 3.033 (b) 1.857

(c) 1.307 (d) 2.683

10. How do you write $\frac{14}{25}$ as percentage.

(a) 14% (b) 66%

(c) 25% (d) 56%

11. Average of 37, 42, 21, 47, 58

(a) 41 (b) 37

(c) 39 (d) 43

12. $144 + 126 = 18 \times \square$

(a) 20 (b) 15

(c) 25 (d) 30

13. $7\frac{3}{4} \times 64$ = _____

(a) 484 (b) 496

(c) 434 (d) 456

14. The sum of two integers is 15, if one of them is –7, find the other.

(a) 22 (b) 8

(c) –22 (d) –8

15. The sum of 1.8, 12.6 and 39.335 is _____

(a) 53.755 (b) 57.335

(c) 55.735 (d) 53.735

16. Sum of all the divisors of 66 = _____

(a) 128 (b) 156

(c) 144 (d) 108

17. If 1296 is divided by 22, the remainder is _____

(a) 20 (b) 16

(c) 12 (d) 0

18. H.C.F. of 36, 44, 56 is _____

(a) 5 (b) 4

(c) 1 (d) 8

19. L.C.M. of 18, 24 and 28 = _____

(a) 486 (b) 524

(c) 504 (d) 476

20. The ratio of 55 min to 110 hours is _____

(a) 120 : 1 (b) 2 : 1

(c) 1 : 2 (d) 1 : 120

SECTION - 2

21. $145 + 105 \div (7 \times 5) =$ _____

(a) 144 (b) 148

(c) 152 (d) 156

22. $12 + \square = 9$

(a) 6 (b) 3

(c) (–3) (d) (–6)

23. $(-4) \times 7 + (16 \times 6) \div (-8)$

(a) 40 (b) –16

(c) 16 (d) –40

24. $\frac{336}{192} = \square$

(a) $\frac{7}{4}$ (b) $\frac{9}{5}$

(c) $\frac{5}{9}$ (d) $\frac{4}{7}$

25. $\frac{11}{36} \times \frac{12}{8} \div \frac{44}{16} = \square$

(a) $\frac{1}{5}$ (b) $\frac{1}{6}$

(c) 6 (d) 5

26. $3.78 \div 0.18 =$ _____

(a) 0.021 (b) 2.1

(c) 21 (d) 0.21

27. 7 : ___ : : 42 : 66

(a) 11 (b) 32

(c) 6 (d) 44

28. If 16 bags of sugar cost ₹7136. Find the cost of 7 such bags.

(a) 3672 (b) 3122

(c) 3212 (d) 3662

29. The perimeter of a triangle is 69 cm with one of its side as 27 cm. If the other two sides are equal, find their lengths.

(a) 21 cm (b) 54 cm

(c) 23 cm (d) 27 cm

30. The ratio of 225 cm : 15 metre is _____

(a) 20 : 3 (b) 1 : 15

(c) 15 : 1 (d) 3 : 20

31. $8 + 5x = 12x - 27$, $x =$ _____

(a) –3 (b) –5

(c) 5 (d) 3

32. Which of these numbers is equivalent to $\frac{8}{15}$.

(a) $\frac{64}{105}$ (b) $\frac{72}{135}$

(c) $\frac{56}{120}$ (d) $\frac{45}{75}$

33. A boy's walking pace measures 40 cm. How many metres has he walked after taking 35 paces.

(a) 14 m (b) 140 cm

(c) 1.4 m (d) 14 cm

34. The area of hall is 85 m^2. Its length is 17 m. Find its perimeter.

(a) 5 m (b) 22 m

(c) 17 m (d) 44 m

35. Two sums of money are in the ratio 6 :13, if the first sum is ₹54, the second sum is ___

(a) ₹117 (b) ₹78

(c) ₹98 (d) ₹97

36. $34 - [48 - \{11 - (3 - 5 - 1)\}] =$ __

(a) –16 (b) 18

(c) 0 (d) –14

37. Value of t in $\frac{t}{15} + \frac{4}{5} = 5$

(a) 55 (b) 63

(c) 15 (d) 48

38. If $\frac{c}{21} + \frac{c}{3} = 16$, the value of 'c' is _____

(a) 36 (b) 48

(c) 42 (d) 32

39. Find the base angles of an isosceles triangle if its vertex angle is 68°

(a) 56° (b) 58s°

(c) 48° (d) 42°

40. A sum of 3 consecutive odd numbers is 135, find the greatest of them ?

(a) 45 (b) 47

(c) 39 (d) 41

SECTION - 3

41. Mrs. Shah spent $\frac{4}{7}$ of her money and 480 is left. How much did she have first

(a) ₹1220 (b) ₹1020 (c) ₹1120 (d) ₹1210

42. 15% of 48.4 will be how much more than 15% of 48.04 ?

(a) 0.054 (b) 0.54 (c) 5.4 (d) 54

43. 7 is added to a number and the sum is multiplied by 4, If 12 is subtracted from the product and the difference is divided by 8, the result is equal to 5. Find the number.

(a) 12 (b) 4 (c) 8 (d) 6

44. Jay, Abhi, Sam and Jack are respectively 11 yrs 4 months, 10 years 3 months, 15 years 5 months and 9 years 4 months old. Find their average age.

(a) 10 yrs 5 months (b) 11 yrs 7 months

(c) 9 yrs 9 months (d) 10 yrs 7 months

45. 8 ball pens cost ₹ 96, how much do 3 dozens ball pens cost?

(a) ₹ 364 (b) ₹ 404 (c) ₹ 268 (d) ₹ 432

46. A Roll of paper 20 m long is placed in a fax machine. In every fax transmission received, the fax machine will use 35 cm of paper. What is the length of paper left if it receives 17 fax transmissions?

(a) 1504 cm (b) 1405 cm (c) 1205 cm (d) 1304 cm

47. $\frac{1}{3 \times 5} + \frac{1}{5 \times 8} + \frac{8+1}{3 \times 5 \times 8} = ?$

(a) $\frac{1}{5}$ (b) $\frac{3}{5}$ (c) $\frac{1}{6}$ (d) $\frac{5}{7}$

48. $\left[9\frac{1}{4}+\left(3\frac{2}{5}\times 5\right)\right]-5\frac{1}{2}$

(a) $\frac{23}{11}$ (b) $\frac{19}{7}$ (c) $\frac{75}{4}$ (d) $\frac{83}{4}$

49. A dealer wishes to make a profit of 30% by selling an article. At what price should he sell the article, if the cost price is ₹ 300 ?

(a) ₹ 390 (b) ₹ 360 (c) ₹ 330 (d) ₹ 300

50. The perimeter of rectangle is 66 meter and length is 2 times of breadth. Find the area of Rectangle.

(a) 242 m (b) 226 m (c) 226 sqm (d) 242 sqm

SECTION - 1

1. $(32 \times 14) - (14 \times 13) =$ _____

(a) 300 (b) 266

(c) 326 (d) 120

2. $(32 \times 2) - (19 \times 3) + (18 \times 5)$ = _____

(a) 97 (b) 98

(c) 90 (d) 62

3. (50% of 296) – (25% of 180) = _____

(a) 110 (b) 104

(c) 100 (d) 103

4. (Double of 360) – (Half of 150) = _____

(a) 245 (b) 195

(c) 645 (d) 695

5. Square of 14 + Cube of 8 = _____

(a) 708 (b) 108

(c) 400 (d) 300

6. Cube of 5 – Square of 10 + Square of 5 = _____

(a) 20 (b) 50

(c) 80 (d) 40

7. Cube root of 512 – Square of 2 = _____

(a) 3 (b) 2

(c) 4 (d) 1

8. $\frac{13}{20}$ = _____

(a) 0.15 (b) 0.26

(c) 0.03 (d) 0.16

9. The bridge A is 1.64 km and bridge B is 0.856 km long. Find the sum of their length.

(a) 3.205 (b) 2.496

(c) 2.196 (d) 1.496

10. How do you write $\frac{19}{20}$ as percentage.

(a) 95% (b) 90%

(c) 94% (d) 98%

11. Average of 18, 24, 26, 28, 30, 36 is _____

(a) 28 (b) 36

(c) 27 (d) 32

12. $325 + 155 = 20 \times \square$

(a) 34 (b) 24

(c) 20 (d) 14

13. $120 \times 2\frac{1}{4} \times$ = _____

(a) 180 (b) 170

(c) 250 (d) 270

14. The sum of two integers is –15, if one of them is –8, find the other.

(a) –7 (b) –8

(c) 7 (d) 8

15. The sum of 18.24 and 36.198 is _____

(a) 24.138 (b) 34.238

(c) 54.438 (d) 44.438

16. Sum of all the divisors of 34 = _____

(a) 54 (b) 14

(c) 24 (d) 34

17. If 116 is divided by 20, the remainder is _____

(a) 11 (b) 12

(c) 14 (d) 16

18. H.C.F. of 40, 24 and 16 is ____

(a) 9 (b) 7

(c) 8 (d) 3

19. L.C.M. of 24, 40, 56 is _____

(a) 840 (b) 180

(c) 240 (d) 870

20. The ratio of 8 hour to 40 mins is _____

(a) 1 : 12 (b) 8 : 1

(c) 12 : 1 (d) 1 : 8

SECTION - 2

21. $110 \div 10 \times (5 \times 2) =$ _____

(a) 130 (b) 110

(c) 140 (d) 120

22. $\square + (-2) = -6$

(a) –4 (b) 3

(c) 4 (d) –3

23. $(18) \times (2) + (-6) \times (3) \times (-2)$

(a) –7 (b) 72

(c) –75 (d) 75

24. $\frac{125}{300} = \square$

(a) $\frac{7}{12}$ (b) $\frac{5}{12}$

(c) $\frac{12}{7}$ (d) $\frac{12}{5}$

25. $\frac{27}{50} \times \frac{2}{9} \div \frac{3}{5} = \square$

(a) $\frac{5}{1}$ (b) $\frac{3}{5}$

(c) $\frac{1}{5}$ (d) $\frac{5}{3}$

26. $1.24 \div 1.6 =$ _____

(a) 0.775 (b) 0.223

(c) 0.750 (d) 0.118

27. $24 : 84 :: 6 :$ _____

(a) 31 (b) 81

(c) 21 (d) 51

28. If 7 bags of Soyabeen seeds cost ₹ 4410. Find the cost of 12 such bags.

(a) 7560 (b) 3570

(c) 1580 (d) 4890

29. The perimeter of a triangle is 48 cm with one of its side as 18 cm. If the other two sides are equal, find their lengths.

(a) 18 cm (b) 15 cm

(c) 20 cm (d) 12 cm

30. The ratio of 2 meter : 80 cm is _____

(a) 5 : 2 (b) 3 : 5

(c) 2 : 5 (d) 5 : 3

31. $7\text{ m} = 3\text{m} - 20$, m = _____

(a) –3 (b) –4

(c) –2 (d) –5

32. Which of these numbers is equivalent to $\frac{4}{7}$.

(a) $\frac{120}{210}$ (b) $\frac{120}{280}$

(c) $\frac{160}{210}$ (d) $\frac{160}{280}$

33. A boy's walking pace measures 25 cm. How many meters has he walked after taking 80 paces.

(a) 2000 m (b) 20 m

(c) 20 m (d) 2 m

34. The area of hall is 255m². Its length is 15m. Find its perimeter.

(a) 34 m (b) 64 m

(c) 12 m (d) 24 m

35. Two sums of money are in the ratio 4 : 9, if the second sum is ₹54, the first sum is _____

(a) ₹20 (b) ₹34

(c) ₹24 (d) ₹30

36. $-8 - [-2 - \{-4 - (2 - 8\})] =$ _____

(a) –4 (b) 3

(c) –3 (d) 4

37. Value of x in $\frac{1}{4}+\frac{x}{8} = 6$

(a) 42 (b) 44

(c) 48 (d) 46

38. If $\frac{m}{5}-\frac{m}{10} = 9$, the value of 'm' is _____

(a) 90 (b) 60

(c) 80 (d) 50

39. Find the vertex angle of an isosceles triangle if its each base angle is 15°

(a) 130° (b) 150°

(c) 100° (d) 120°

40. The sum of 5 consecutive even numbers is 40, find the smallest of them ?

(a) 4 (b) 3

(c) 8 (d) 2

SECTION - 3

41. Ekshit purchased following items from the supermarket 8 kg atta at ₹12 per kg, 3 kg moona dal at ₹25 per kg, 2 kg Udad dal t ₹45.50 per kg and 1 kg sugar at ₹48 per kg. How much did he pay to the cashier, if the cashier gave him ₹ 40 back ?

(a) ₹310 (b) ₹250 (c) ₹350 (d) ₹210

42. Sunil bought an old motor cycle for ₹13000 and spent ₹3000 for its repairs. For how much shall he sale it to earn profit of 20% ?

(a) ₹18500 (b) ₹19200 (c) ₹10000 (d) ₹9800

43. $4[13.2 + \{(6.5 - 4.5) \times 3 - (7.8 - 4.3)\}] =$ _____

(a) 62.8 (b) 60.5 (c) 20.8 (d) 62.5

44. Ravi, Raj, Rohan and Racho are repectively 10 yrs 4 months, 12 yrs 9 months, 11 yrs 8 months and 12 yrs 3 months old. Find their average age.

(a) 12 yrs 2 months (b) 10 yrs 2 months (c) 11 yrs 9 months (d) 10 yrs

45. A boy is 30 yrs younger than his father. Two years ago, the boy's age was one-fourth of the age of his father, then present age of boy is ?

(a) 8 yrs (b) 12 yrs (c) 10 yrs (d) 4 yrs

46. The cost of a wall clock is ₹700. Find the selling price if the loss is 13% ?

(a) ₹609 (b) ₹209 (c) ₹200 (d) ₹600

47. During a sport day, there were 180 more boys then girls and there were 180 fewer teachers than girls. How many students were there altogether if there were 60 teachers ?

(a) 650 (b) 600 (c) 550 (d) 660

48. 20 ball pens cost ₹110, how much do 3 dozens ball pens cost ?

(a) ₹196 (b) ₹198 (c) ₹190 (d) ₹195

49. A Roll of paper 30 m long is placed in a fax machine. In every fax transmission received, the fax machine will use 30 cm of paper. What is the length of paper left it it receives 50 fax transmissions ?

(a) 1200 cm (b) 1500 cm (c) 1000 cm (d) 1100 cm

50. A profit of ₹52000 is to be distributed among Tina, Leena and Rina is the ratio of 2 : 5 : 6. What will be the difference between Leena's and Rina's amount ?

(a) ₹12000 (b) ₹2000 (c) ₹1000 (d) ₹4000

SOLUTION - Paper-1

1	c	**11**	a	**21**	b	**31**	c	**41**	c
2	d	**12**	b	**22**	c	**32**	b	**42**	a
3	b	**13**	b	**23**	d	**33**	a	**43**	d
4	a	**14**	a	**24**	a	**34**	d	**44**	b
5	d	**15**	d	**25**	b	**35**	a	**45**	d
6	c	**16**	c	**26**	c	**36**	c	**46**	b
7	b	**17**	a	**27**	a	**37**	b	**47**	c
8	a	**18**	b	**28**	b	**38**	c	**48**	d
9	c	**19**	c	**29**	a	**39**	a	**49**	a
10	d	**20**	d	**30**	d	**40**	b	**50**	d

SOLUTION - Paper-2

1	**b**	2	**a**	3	**d**	4	**c**	5	**a**	6	**b**	7	**c**	8	**b**	9	**b**	10	**a**
11	**c**	12	**b**	13	**d**	14	**a**	15	**c**	16	**a**	17	**d**	18	**c**	19	**a**	20	**c**
21	**b**	22	**a**	23	**b**	24	**b**	25	**c**	26	**a**	27	**c**	28	**a**	29	**b**	30	**a**
31	**d**	32	**a**	33	**b**	34	**b**	35	**c**	36	**a**	37	**d**	38	**a**	39	**b**	40	**a**
41	**c**	42	**b**	43	**a**	44	**c**	45	**b**	46	**a**	47	**d**	48	**b**	49	**b**	50	**d**