1.  If 9 sheets cost ₹54, how much will 28 sheets cost?

    (i) ₹172  (ii) ₹155  (iii) ₹168  (iv) ₹162  (v) ₹186

2.  If 14 pencils cost ₹84, how many pencils can be purchased with ₹150?

    (i) 27  (ii) 26  (iii) 25  (iv) 23  (v) 24

3.  If 7 l of water costs ₹84, how much will 38 l cost?

    (i) ₹438  (ii) ₹468  (iii) ₹472  (iv) ₹456  (v) ₹441

4.  If 8 l of cooking oil costs ₹80, how much of cooking oil costs ₹310?

    (i) 31 l  (ii) 28 l  (iii) 36 l  (iv) 26 l  (v) 34 l

5.  If 13 men can make 39 candles in a day, how many candles are made by 23 men in a day?

    (i) 68  (ii) 69  (iii) 70  (iv) 71  (v) 66

6.  If 14 men can make 56 sweaters in a day, how many men are needed to make 76 sweaters in a day?

    (i) 21  (ii) 20  (iii) 18  (iv) 17  (v) 19

7.  If Sushant can read 210 pages in 15 hr, how many pages can he read in 14 hr?

    (i) 196  (ii) 193  (iii) 198  (iv) 195  (v) 197

8.  If Ajay can read 280 pages in 14 hr, he can read 360 pages in how many hours?

    (i) 13 hr  (ii) 21 hr  (iii) 15 hr  (iv) 23 hr  (v) 18 hr

9.  If Akbar can read 36 pages in a 216 pages book in 2 hr, how much more time will it take to complete the book?

    (i) 15 hr  (ii) 13 hr  (iii) 7 hr  (iv) 10 hr  (v) 5 hr

10.  If Venkat can make 228 sandwiches in 12 min, in how much time can he complete an order of 950 sandwiches ?

    (i) 55 min  (ii) 50 min  (iii) 47 min  (iv) 45 min  (v) 53 min

11.  If 56 men can do a piece of work in 168 days, how many men can do the same work in 112 days?

    (i) 85  (ii) 83  (iii) 84  (iv) 82  (v) 86

12.  If 55 men can do a piece of work in 140 days, 110 men can do the same work in how many days?

    (i) 65 days  (ii) 70 days  (iii) 75 days  (iv) 67 days  (v) 73 days

13.  If 10 men can build $\frac{1}{8}$ of a wall in 26 days,

    in how much more time is the wall completely built ?

    (i) 187 days  (ii) 182 days  (iii) 165 days  (iv) 166 days  (v) 210 days

14. A vehicle can cover certain distance in 108 min, running at a speed of 48 kmph. At what speed must the vehicle run to cover the same distance in 72 min?

    (i) 77 kmph  (ii) 75 kmph  (iii) 69 kmph  (iv) 67 kmph  (v) 72 kmph

15. A vehicle can cover certain distance in 45 min, running at a speed of 168 kmph. In how many minutes, the vehicle covers the same distance running at a speed of 60 kmph?

    (i) 149 min  (ii) 130 min  (iii) 123 min  (iv) 98 min  (v) 126 min

16. A person has to travel from one town to another town which is at a distance of 420 km. He covers 168 km in 6 hr. In how much more time will he reach his destination?

    (i) 11 hr  (ii) 9 hr  (iii) 7 hr  (iv) 10 hr  (v) 8 hr

17. The cost of 25 kg of tomatoes is ₹700. How many kgs of tomatoes can be purchased with ₹308 ?

    (i) 16 kg  (ii) 14 kg  (iii) 8 kg  (iv) 11 kg  (v) 6 kg

18. The cost of 19 kg of onions is ₹475. How much has to be paid to purchase 21 kg of onions ?

    (i) ₹508  (ii) ₹525  (iii) ₹539  (iv) ₹551  (v) ₹500

19. The weight of 25 rounds of copper wire is 550 kg. How many rounds of copper wire is present in 352 kg?

    (i) 16  (ii) 17  (iii) 14  (iv) 18  (v) 15

20. 120 men can dig a canal in 126 days working for 4 hr per day. How many men are required to complete the work in 32 days working for 14 hr per day?

    (i) 135  (ii) 134  (iii) 133  (iv) 138  (v) 136

21. 17 men can dig a trench in 11 days. But after working for 5 days, 9 men left. How many more days are required to complete the work?

    (i) $13\frac{1}{4}$ days  (ii) $12\frac{3}{4}$ days  (iii) $12\frac{1}{4}$ days  (iv) $13\frac{1}{2}$ days  (v) $12\frac{1}{2}$ days

22. In a hostel mess there are provisions enough for 12 students for 12 days. If 10 more students join the hostel, how long will the provisions last ?

    (i) 6.55 days  (ii) 5.55 days  (iii) 8.55 days  (iv) 4.55 days  (v) 7.55 days

23. In a hostel mess, there are provisions enough for 12 students for 16 days. After 13 days, 5 students left. How many more days will the provisions last ?

    (i) 5.14 days  (ii) 7.14 days  (iii) 6.14 days  (iv) 4.14 days  (v) 3.14 days

24. A bus ticket fare for 11 km costs ₹75. How much is the fare for 20 km?

    (i) ₹123.36  (ii) ₹164.36  (iii) ₹136.36  (iv) ₹139.36  (v) ₹118.36

25. The cost of 13 pens is ₹221 and 16 pencils is ₹96. With an amount of ₹328, 15 pencils are purchased. How many pens can be purchased with the remaining amount ?

    (i) 17  (ii) 14  (iii) 11  (iv) 13  (v) 15

26. The cost of 16 pens is ₹208 and 17 pencils is ₹170. With an amount of ₹243, 11 pens are purchased. How many pencils can be purchased with the remaining amount ?

    (i) 11  (ii) 10  (iii) 8  (iv) 12  (v) 9

27. The sales tax for ₹100 of a bill is ₹20. How much sales tax has to be paid for a bill of ₹364 ?

    (i) ₹75.80  (ii) ₹77.80  (iii) ₹69.80  (iv) ₹72.80  (v) ₹67.80

28. A group of pilgrims have to cover 19 km to reach a shrine. They walk 11 km in 18 hr. At what speed they have to walk to cover the remaining distance in 7 hr ?

    (i) 9.14 kmph  (ii) 1.14 kmph  (iii) 2.14 kmph  (iv) 3.14 kmph  (v) 0.14 kmph

29. To stitch a shirt, 147 cm of cloth is needed. How much cloth is needed to stitch 7 shirts ?

    (i) 1189 cm  (ii) 949 cm  (iii) 1099 cm  (iv) 1029 cm  (v) 749 cm

30. 14 m of cloth is required to stitch 7 dresses. How many meters of cloth is required to stitch 20 dresses?

    (i) 37.00 m  (ii) 35.00 m  (iii) 40.00 m  (iv) 43.00 m  (v) 45.00 m

31. The cost of 9 dozen bananas is ₹378. What is the cost of 29 dozens ?

    (i) ₹1388  (ii) ₹1448  (iii) ₹1098  (iv) ₹1218

32. 13 mangoes weigh 5 kg. If 8 mangoes are needed, how many kgs have to be purchased?

    (i) 5.08 kg  (ii) 2.08 kg  (iii) 3.08 kg  (iv) 1.08 kg  (v) 4.08 kg

33. 56 men or 40 women can earn ₹2800 per day. How much is earned by 12 men and 16 women in a day?

    (i) ₹1960  (ii) ₹1720  (iii) ₹1800  (iv) ₹1490  (v) ₹1700

34. The total wage of 19 labourers for 17 days is ₹155040. What will be the total wage of 16 labourers for 7 days ?

    (i) ₹54360  (ii) ₹52960  (iii) ₹54960  (iv) ₹52460  (v) ₹53760

35. 90 artisans can make 80 idols in 16 days. How many artisans are required to make 28 idols in 8 days ?

    (i) 64  (ii) 62  (iii) 65  (iv) 63  (v) 61

36. 16 workers working for 5 hr per day can dig a pit in 70 days. How many days are needed for 56 workers working 10 hr per day to dig the same pit?

    (i) 13 days  (ii) 10 days  (iii) 15 days  (iv) 5 days  (v) 7 days

37. 18 cows eat 2448 kg of grass in 8 days. How much of grass has to be procured to feed 19 cows for 12 days ?

    (i) 3646 kg  (ii) 4046 kg  (iii) 3816 kg  (iv) 4156 kg  (v) 3876 kg

38. Cost of 17 toys of TypeA is ₹119 and 16 toys of TypeB is ₹160. Out of a sum of ₹239, 19 toys of TypeA are purchased. If 12 toys of TypeB have to be purchased, how much extra amount is needed?

    (i) ₹9  (ii) ₹11  (iii) ₹17  (iv) ₹14  (v) ₹19

39. 13 men can make 390 baskets in 6 days. 10 women can make 180 baskets in 6 days. How many baskets are made by 6 men and 9 women in 7 days ?

    (i) 399  (ii) 401  (iii) 400  (iv) 398  (v) 396

40. To irrigate 13 acres of a field, 70000 l of water is needed. If 6 more acres are brought under cultivation, how many lts of water is needed?

    (i) 89307.69 l  (ii) 86307.69 l  (iii) 107307.69 l  (iv) 116307.69 l  (v) 102307.69 l

41. 40 labourers can cultivate a field in 24 days working 5 hr per day. How many more labourers are needed to cultivate double the field in 50 days working 3 hr per day ?

   (i)  27  (ii)  21  (iii)  24  (iv)  25  (v)  23

42. 18 workers working 12 hr per day are paid ₹207360 for 12 days. How much has to be paid to 13 workers working 9 hr per day for 10 days ?

   (i)  ₹95000  (ii)  ₹94800  (iii)  ₹93100  (iv)  ₹93600  (v)  ₹92200

43. The air ticket charges for 39 persons for a flight is ₹213993, inclusive of ₹387 as airport tax per person. How much has to be paid if 15 persons drop out of the trip ?

   (i)  ₹137688  (ii)  ₹127688  (iii)  ₹106688  (iv)  ₹158688  (v)  ₹131688

44. The specification on a printer says that it prints 1750 pages in 35 min. If 4500 pages have to be printed, how long will it take ?

   (i)  87 min  (ii)  93 min  (iii)  90 min  (iv)  85 min  (v)  95 min

45. 11 gm of gold costs ₹30800. What is the cost of 24 gm ?

   (i)  ₹65800  (ii)  ₹67400  (iii)  ₹67200  (iv)  ₹69500  (v)  ₹65700

46. A banker gave foreign exchange of $12 for ₹456. How many dollars will the customer get for ₹836 ?

   (i)  $27  (ii)  $17  (iii)  $22  (iv)  $25  (v)  $19

47. 16 workers take 19 days to build a room. After working for 11 days, 10 workers left. In how many more days is the room built ?

   (i)  18.33 days  (ii)  26.33 days  (iii)  16.33 days  (iv)  21.33 days  (v)  24.33 days

48. A can do $\frac{1}{10}$ of a particular work in 13 days.

   B can do $\frac{1}{11}$ of the same work in 8 days.

   C can do $\frac{1}{7}$ of the same work in 12 days.

   If A, B and C work together, in how many days is the work completed ?

   (i)  $32\frac{1114}{3719}$ days  (ii)  $32\frac{56}{177}$ days  (iii)  $32\frac{1048}{3721}$ days  (iv)  $32\frac{1112}{3719}$ days  (v)  $32\frac{1110}{3719}$ days

49. A journey consists of three legs. First 28 km are travelled at a speed of 140 kmph. Next 12 km are travelled at a speed of 30 kmph. Last 132 km are travelled at a speed of 110 kmph. Find the total time taken to complete the journey.

   (i)  $1\frac{1}{2}$ hr  (ii)  $2\frac{1}{4}$ hr  (iii)  $1\frac{3}{5}$ hr  (iv)  $1\frac{4}{5}$ hr  (v)  2 hr

50. In an eating contest, the eating capacities of A, B and C are 15 gm/sec, 8 gm/sec and 12 gm/sec respectively. If the amount of food to be eaten is 18.9 kg, in how much time is it consumed if all three participants start eating together ?

   (i)  11 min  (ii)  9 min  (iii)  8 min  (iv)  6 min  (v)  10 min

51. In a certain exam, for every correct answer, 9 marks are added. For every wrong answer 4 marks are subtracted. A student attempted 55 questions and secured 365 marks. How many answers are correct and how many are wrong?

   (i) 44 correct and 11 wrong  (ii) 43 correct and 12 wrong  (iii) 47 correct and 8 wrong

   (iv) 45 correct and 10 wrong  (v) 46 correct and 9 wrong

52. A production line consists of three stages to be completed serially.
Stage1 work can be done by 9 workers in 15 days.
Stage2 work can be done by 5 workers in 12 days.
Stage3 work can be done by 14 workers in 7 days.
If 8, 10 and 11 workers are hired to do Stage1, Stage2 and Stage3 works respectively,
in how many days is the work completed ?

   (i) $31\dfrac{23}{30}$ days  (ii) $31\dfrac{69}{88}$ days  (iii) $31\dfrac{67}{88}$ days  (iv) $31\dfrac{69}{86}$ days  (v) $31\dfrac{71}{88}$ days

53. The slab rates of a city's water department are as follows

| Low Val (kl) | High Val (kl) | Rate Rs/kl |
|---|---|---|
| 0 | 20 | 18 |
| 20 | 40 | 23 |
| 40 | 70 | 28 |
| 70 | remaining | 33 |

How much amount has to be paid if the consumption is 7 kl.

   (i) ₹100  (ii) ₹141  (iii) ₹139  (iv) ₹126  (v) ₹108

54. The slab rates of a city's water department are as follows

| Low Val (kl) | High Val (kl) | Rate Rs/kl |
|---|---|---|
| 0 | 30 | 19 |
| 30 | 40 | 24 |
| 40 | 70 | 29 |
| 70 | remaining | 34 |

How much amount has to be paid if the consumption is 34 kl.

   (i) ₹684  (ii) ₹666  (iii) ₹649  (iv) ₹680  (v) ₹652

55. The slab rates of a city's water department are as follows

| Low Val (kl) | High Val (kl) | Rate Rs/kl |
|---|---|---|
| 0 | 40 | 16 |
| 40 | 50 | 21 |
| 50 | 80 | 26 |
| 80 | remaining | 31 |

How much amount has to be paid if the consumption is 68 kl.

   (i) ₹1058  (ii) ₹1388  (iii) ₹1568  (iv) ₹1148  (v) ₹1318

The slab rates of a city's water department are as follows

| Low Val (kl) | | High Val (kl) | Rate Rs/kl |
|---|---|---|---|
| 0 | - | 60 | 12 |
| 60 | - | 70 | 17 |
| 70 | - | 80 | 22 |
| 80 | - | remaining | 27 |

56.

How much amount has to be paid if the consumption is 94 kl.

(i) ₹1658 (ii) ₹1518 (iii) ₹1488 (iv) ₹1208 (v) ₹1438

## Assignment Key

| | | | | | |
|---|---|---|---|---|---|
| 1) (iii) | 2) (iii) | 3) (iv) | 4) (i) | 5) (ii) | 6) (v) |
| 7) (i) | 8) (v) | 9) (iv) | 10) (ii) | 11) (iii) | 12) (ii) |
| 13) (ii) | 14) (v) | 15) (v) | 16) (ii) | 17) (iv) | 18) (ii) |
| 19) (i) | 20) (i) | 21) (ii) | 22) (i) | 23) (i) | 24) (iii) |
| 25) (ii) | 26) (ii) | 27) (iv) | 28) (ii) | 29) (iv) | 30) (iii) |
| 31) (iv) | 32) (iii) | 33) (ii) | 34) (v) | 35) (iv) | 36) (ii) |
| 37) (v) | 38) (iv) | 39) (i) | 40) (v) | 41) (iii) | 42) (iv) |
| 43) (v) | 44) (iii) | 45) (iii) | 46) (iii) | 47) (iv) | 48) (iv) |
| 49) (iv) | 50) (ii) | 51) (iv) | 52) (ii) | 53) (iv) | 54) (ii) |
| 55) (v) | 56) (iii) | | | | |