1. A box contains 60 pens and 420 pencils. The ratio of pens to the total stationary items =

    (i) 1:10   (ii) 0:8   (iii) 1:8   (iv) 2:8   (v) 1:6

2. A bus ticket fare for 10 km costs ₹65. How much is the fare for 16 km?

    (i) ₹106.00   (ii) ₹121.00   (iii) ₹86.00   (iv) ₹104.00   (v) ₹98.00

3. Find the missing value in the equation _____ : 10 = 24 : 6

    (i) 41   (ii) 39   (iii) 38   (iv) 40   (v) 43

4. The consequent in the ratio $\dfrac{1}{20} : \dfrac{4}{15}$ =

    (i) $\dfrac{2}{5}$ (ii) $\dfrac{4}{13}$ (iii) $\dfrac{1}{20}$ (iv) $\dfrac{4}{15}$ (v) ($\dfrac{-1}{20}$)

5. If the cost of 110 apples is ₹550.00 and the cost of 140 apples is ₹700.00, the ratio of apples =

    (i) 12:14   (ii) 11:14   (iii) 11:11   (iv) 11:17   (v) 10:14

6. Divide 16240 in the ratio 37 : 20 : 13

    (i) 8584 , 4638 , 3016   (ii) 8583 , 4640 , 3016   (iii) 8584 , 4640 , 3016   (iv) 8585 , 4640 , 3016

    (v) 8584 , 4643 , 3016

7. If 56 men can do a piece of work in 180 days, 120 men can do the same work in how many days?

    (i) 84 days   (ii) 87 days   (iii) 89 days   (iv) 81 days   (v) 79 days

8. Find the ratio between 7 gm and 5 kg

    (i) 6:5000   (ii) 7:4997   (iii) 7:5002   (iv) 7:5000

9. A bag contains ₹413 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 6 : 10 : 9. Find the number of coins of each type

    (i) 44 , 65 , 63   (ii) 41 , 70 , 68   (iii) 42 , 70 , 63   (iv) 40 , 75 , 63   (v) 43 , 75 , 58

10. An office contains 795 employees of 4 types. There are 371 managers and 106 team leaders. The developers and testers are in the ratio 2 : 1. The number of developers in the office =

    (i) 215   (ii) 212   (iii) 213   (iv) 210   (v) 211

11. A box contains 28 mangoes, 84 apples and 56 oranges. The ratio of mangoes to the total fruits =

    (i) 2:6   (ii) 1:8   (iii) 1:6   (iv) 0:6   (v) 1:4

12. A box contains 688 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 4 : 5 : 7. The number of mangoes in the box =

    (i) 173   (ii) 172   (iii) 175   (iv) 171   (v) 169

13. Divide 5050 in the ratio 31 : 19

    (i) 3132 , 1919 (ii) 3131 , 1919 (iii) 3130 , 1919 (iv) 3131 , 1916 (v) 3131 , 1921

14. A ratio is equal to 13 : 21. If its antecendent is 910, what is its consequent?

    (i) 1473 (ii) 1470 (iii) 1469 (iv) 1468 (v) 1471

15. A vehicle can cover certain distance in 120 min, running at a speed of 143 kmph. At what speed must the vehicle run to cover the same distance in 88 min?

    (i) 210 kmph (ii) 182 kmph (iii) 195 kmph (iv) 167 kmph (v) 222 kmph

16. An office contains 96 managers, 128 team leaders, 192 developers and 224 testers. The ratio of all employees in the office =

    (i) 4:4:6:7 (ii) 3:7:6:7 (iii) 3:4:6:7 (iv) 3:1:6:7 (v) 2:4:6:7

17. An office contains 564 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 3 : 7 : 1. The number of managers in the office =

    (i) 48 (ii) 47 (iii) 49 (iv) 46 (v) 45

18. 19 gm of gold costs ₹43700. What is the cost of 20 gm ?

    (i) ₹48800 (ii) ₹46000 (iii) ₹44200 (iv) ₹45400 (v) ₹46500

19. A box contains 459 stationary items of 2 types. The pens and pencils are in the ratio 5 : 4. The number of pencils in the box =

    (i) 203 (ii) 202 (iii) 205 (iv) 207 (v) 204

20. If the cost of 175 apples is ₹700.00, how many apples can be purchased for ₹400.00?

    (i) 99 (ii) 100 (iii) 101 (iv) 103 (v) 97

21. Find the ratio between 4 months and 4 years

    (i) 0:12 (ii) 1:9 (iii) 1:14 (iv) 1:12

22. The antecendent in the ratio $\dfrac{5}{3} : \dfrac{14}{17}$ =

    (i) 5 (ii) $\dfrac{5}{3}$ (iii) $\dfrac{12}{17}$ (iv) $\dfrac{14}{17}$ (v) $\dfrac{7}{3}$

23. An office contains 20 managers, 60 team leaders, 50 developers and 40 testers. The ratio of team leaders and developers =

    (i) 6:3 (ii) 5:5 (iii) 6:7 (iv) 6:5 (v) 7:5

24. Find the ratio between 8 m and 4 km

    (i) 1:503 (ii) 1:497 (iii) 1:500 (iv) 0:500

25. A banker gave foreign exchange of $14 for ₹742. How many dollars will the customer get for ₹1855 ?

    (i) $40 (ii) $35 (iii) $38 (iv) $30 (v) $32

Assignment Key

1) (iii)	2) (iv)	3) (iv)	4) (iv)	5) (ii)	6) (iii)
7) (i)	8) (iv)	9) (iii)	10) (ii)	11) (iii)	12) (ii)
13) (ii)	14) (ii)	15) (iii)	16) (iii)	17) (ii)	18) (ii)
19) (v)	20) (ii)	21) (iv)	22) (ii)	23) (iv)	24) (iii)
25) (ii)					