Name : Chapter Based Worksheet

Chapter: Ratio and Proportion

Grade: SSC Grade VI

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- 1. The fraction equivalent of the ratio 47:68 =
  - (i)  $\frac{45}{68}$  (ii)  $\frac{47}{68}$  (iii)  $\frac{47}{66}$  (iv)  $\frac{49}{68}$  (v)  $\frac{68}{47}$
- A train from Calcutta travelling at a speed of 130kmph reaches Chennai in 2hr. If the train travels at the speed of 65kmph, what is the time taken to reach Chennai?
  - (i) 4 hr (ii) 6 hr (iii) 3 hr (iv) 2 hr (v) 5 hr
- 3. A box contains 140 pens and 120 pencils. The ratio of pens to the total stationary items =
  - (i) 8:13 (ii) 7:13 (iii) 7:15 (iv) 7:10 (v) 6:13
- 4. Divide 13578 in the ratio 34:28
  - (i) 7445,6132 (ii) 7447,6132 (iii) 7446,6135 (iv) 7446,6132 (v) 7446,6129
- 5. If the cost of 110 apples is ₹660.00, the cost of 180 apples =
  - (i) ₹1150.00 (ii) ₹1080.00 (iii) ₹1040.00 (iv) ₹1260.00 (v) ₹920.00
- A box contains 630 stationary items of 2 types. The pens and pencils are in the ratio 3 : 7. The number of pencils in the box =
  - (i) 442 (ii) 441 (iii) 440 (iv) 439 (v) 443
- 7. The cost of 16 kg of chillies is ₹480. How much has to be paid to purchase 13 kg of chillies?
  - (i) ₹418 (ii) ₹390 (iii) ₹373 (iv) ₹378 (v) ₹394
- 8. If the cost of 2 apples is ₹920.00 and the cost of 180 apples is ₹82800.00, the ratio of apples cost =
  - (i) 2:90 (ii) 1:92 (iii) 0:90 (iv) 1:90 (v) 1:88
- 9. Find the missing value in the equation 32: \_\_\_\_ = 36:9
  - (i) 10 (ii) 8 (iii) 5 (iv) 9 (v) 7
- 10. An office contains 19 managers, 76 team leaders, 19 developers and 95 testers. The ratio of team leaders and testers =
  - (i) 3:5 (ii) 4:8 (iii) 4:3 (iv) 4:5 (v) 5:5
- 11. Find the number which bears the same ratio to  $\frac{2}{6}$  that  $\frac{1}{4}$  does to  $\frac{7}{12}$ 
  - (i)  $\frac{1}{7}$  (ii)  $\frac{1}{6}$  (iii)  $\frac{1}{8}$  (iv) 0 (v)  $\frac{2}{7}$
- 12. An office contains 108 managers, 54 team leaders, 126 developers and 18 testers. The ratio of managers and developers =
  - (i) 5:7 (ii) 6:4 (iii) 6:7 (iv) 7:7 (v) 6:10

|     | (i) 0:1000 (ii) 1:1003 (iii) 1:998 (iv) 1:1000   |
|-----|--|
| 14. | The simplest form of 84:420 =  |
|     | (i) 1:3 (ii) 0:5 (iii) 84:422 (iv) 2:5 (v) 1:5   |
| 15. | An office contains 306 employees of 4 types. There are 34 managers and 85 team leaders. The developers and testers are in the ratio 7 : 4. The number of testers in the office = |
|     | (i) 65 (ii) 71 (iii) 68 (iv) 67 (v) 69   |
| 16. | Find the ratio between 10 months and 7 years   |
|     | (i) 5:40 (ii) 4:42 (iii) 5:42 (iv) 5:45  |
| 17. | 10 gm of gold costs ₹29000. What is the cost of 33 gm ?  |
|     | (i) ₹93400 (ii) ₹97300 (iii) ₹95700 (iv) ₹94000 (v) ₹98100   |
| 18. | Find the ratio between 52 min and 58 hr  |
|     | (i) 12:870 (ii) 13:870 (iii) 13:867 (iv) 13:872  |
| 19. | The ratio equivalent of the fraction $\frac{65}{81}$ =   |
|     | (i) 65:84 (ii) 81:65 (iii) 65:78 (iv) 65:81 (v) 64:81  |
| 20. | An office contains 324 managers, 162 team leaders, 216 developers and 108 testers. The ratio of managers to the total employees =  |
|     | (i) 3:5 (ii) 1:5 (iii) 2:3 (iv) 2:7 (v) 2:5  |
| 21. | A box contains 140 mangoes, 210 apples and 175 oranges. The ratio of apples to the total fruits =  |
|     | (i) 2:5 (ii) 3:5 (iii) 1:5 (iv) 2:2 (v) 2:8  |
| 22. | The consequent in the ratio $\frac{11}{14} : \frac{8}{7} =$  |
|     | (i) $\frac{9}{14}$ (ii) $\frac{8}{7}$ (iii) $\frac{8}{5}$ (iv) $\frac{11}{14}$ (v) $\frac{10}{7}$  |

(i) 279 (ii) 280 (iii) 282 (iv) 277 (v) 281

25. The fraction equivalent of the ratio 1:3 =

(i) 1 (ii)  $(\frac{-1}{3})$  (iii)  $\frac{1}{3}$  (iv)  $\frac{3}{1}$ 

24. To stitch a shirt, 153 cm of cloth is needed. How much cloth is needed to stitch 9 shirts?

(i) 1377 cm (ii) 1447 cm (iii) 1347 cm (iv) 1097 cm (v) 1627 cm

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

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