Name: Unitary Method Problems

**Chapter: Ratio - Applications** 

Grade: SSC Grade VII

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<ol> <li>If 12 brushes cost ₹72, how much will 37 brushes.</li> </ol>	coct2	
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- (i) ₹238 (ii) ₹197 (iii) ₹235 (iv) ₹222 (v) ₹216
- 2. If 9 brushes cost ₹45, how many brushes can be purchased with ₹140?
  - (i) 31 (ii) 29 (iii) 25 (iv) 28 (v) 27
- 3. If 14 I of groundnut oil costs ₹154, how much will 29 I cost?
  - (i) ₹297 (ii) ₹334 (iii) ₹325 (iv) ₹319 (v) ₹315
- 4. If 13 I of puja oil costs ₹247, how much of puja oil costs ₹722?
  - (i) 41 | (ii) 43 | (iii) 33 | (iv) 38 | (v) 35 |
- 5. If 10 men can make 50 toys in a day, how many toys are made by 15 men in a day?
  - (i) 72 (ii) 76 (iii) 77 (iv) 75 (v) 74
- 6. If 20 men can make 140 idols in a day, how many men are needed to make 112 idols in a day?
  - (i) 15 (ii) 13 (iii) 17 (iv) 16 (v) 19
- 7. If Sharan can read 140 pages in 10 hr, how many pages can he read in 17 hr?
  - (i) 241 (ii) 238 (iii) 237 (iv) 239 (v) 236
- 8. If Akbar can read 228 pages in 19 hr, he can read 156 pages in how many hours?
  - (i) 10 hr (ii) 16 hr (iii) 8 hr (iv) 18 hr (v) 13 hr
- 9. If Srikanth can read 40 pages in a 130 pages book in 4 hr, how much more time will it take to complete the book?
  - (i) 11 hr (ii) 8 hr (iii) 10 hr (iv) 9 hr (v) 7 hr
- 10. If Krishna can make 70 burgers in 5 min, in how much time can he complete an order of 308 burgers?
  - (i) 17 min (ii) 25 min (iii) 22 min (iv) 19 min (v) 27 min
- 11. If 60 men can do a piece of work in 84 days, 42 men can do the same work in how many days?
  - (i) 120 days (ii) 137 days (iii) 146 days (iv) 96 days (v) 107 days
- 12. The cost of 12 kg of onions is ₹252. How much has to be paid to purchase 13 kg of onions ?
  - (i) ₹291 (ii) ₹255 (iii) ₹290 (iv) ₹257 (v) ₹273
- 13. The weight of 13 rounds of copper wire is 364 kg. How many rounds of copper wire is present in 588 kg?
  - (i) 21 (ii) 22 (iii) 18 (iv) 24 (v) 20
- 14. In a hostel mess there are provisions enough for 15 students for 10 days. If 6 more students join the hostel, how long will the provisions last?
  - (i) 7.14 days (ii) 8.14 days (iii) 9.14 days (iv) 6.14 days (v) 5.14 days

16.	The cost of 18 pens is ₹342 and 13 pencils is ₹91. With an amount of ₹437, 19 pencils are purchased. How many pens can be purchased with the remaining amount?
	(i) 16 (ii) 19 (iii) 14 (iv) 15 (v) 17
17.	The cost of 11 pens is $\$121$ and 13 pencils is $\$91$ . With an amount of $\$327$ , 17 pens are purchased. How many pencils can be purchased with the remaining amount?
	(i) 18 (ii) 19 (iii) 22 (iv) 20 (v) 21
18.	The sales tax for ₹100 of a bill is ₹15. How much sales tax has to be paid for a bill of ₹419 ?
	(i) ₹65.85 (ii) ₹59.85 (iii) ₹62.85 (iv) ₹57.85 (v) ₹67.85
19.	To stitch a shirt, 110 cm of cloth is needed. How much cloth is needed to stitch 6 shirts?
	(i) 664 cm (ii) 660 cm (iii) 682 cm (iv) 655 cm (v) 637 cm
20.	11 m of cloth is required to stitch 8 dresses. How many meters of cloth is required to stitch 15 dresses?
	(i) 20.62 m (ii) 17.62 m (iii) 25.62 m (iv) 23.62 m (v) 15.62 m
21.	The cost of 7 dozen bananas is ₹252. What is the cost of 29 dozens ?
	(i) ₹804 (ii) ₹1174 (iii) ₹884 (iv) ₹1194 (v) ₹1044
22.	16 mangoes weigh 6 kg. If 6 mangoes are needed, how many kgs have to be purchased?
	(i) 0.25 kg (ii) 4.25 kg (iii) 2.25 kg (iv) 3.25 kg (v) 1.25 kg
23.	21 men or 56 women can earn ₹1680 per day. How much is earned by 13 men and 14 women in a day?
	(i) ₹1320 (ii) ₹1710 (iii) ₹1640 (iv) ₹1400 (v) ₹1460
24.	The specification on a printer says that it prints 1500 pages in 30 min. If 4500 pages have to be printed, how long will it take ?
	(i) 87 min (ii) 95 min (iii) 85 min (iv) 90 min (v) 93 min
25.	19 gm of gold costs ₹49400. What is the cost of 38 gm ?
	(i) ₹97600 (ii) ₹98800 (iii) ₹97200 (iv) ₹100500
26.	A banker gave foreign exchange of \$19 for ₹1102. How many dollars will the customer get for ₹2088 ?
	(i) \$39 (ii) \$41 (iii) \$31 (iv) \$33 (v) \$36

15. A bus ticket fare for 13 km costs ₹83. How much is the fare for 18 km?(i) ₹132.92 (ii) ₹114.92 (iii) ₹97.92 (iv) ₹136.92 (v) ₹98.92

		Д	ssignment Key			
1) (iv)	2) (iv)	3) (iv)	4) (iv)	5) (iv)	6) (iv)	
7) (ii)	8) (v)	9) (iv)	10) (iii)	11) (i)	12) (v)	
13) (i)	14) (i)	15) (ii)	16) (i)	17) (iv)	18) (iii)	
19) (ii)	20) (i)	21) (v)	22) (iii)	23) (v)	24) (iv)	
25) (ii)	26) (v)					

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