Name: Unitary Method Problems

Chapter: Ratio and Proportion

Grade: CBSE Grade VI

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- 1. If 12 idlis cost ₹120, how much will 26 idlis cost?
 - (i) ₹260 (ii) ₹242 (iii) ₹275 (iv) ₹266 (v) ₹237
- 2. If 11 idlis cost ₹77, how many idlis can be purchased with ₹266?
 - (i) 38 (ii) 40 (iii) 36 (iv) 37 (v) 39
- 3. If 7 I of water costs ₹84, how much will 35 I cost?
 - (i) ₹437 (ii) ₹396 (iii) ₹420 (iv) ₹432 (v) ₹408
- 4. If 5 I of groundnut oil costs ₹60, how much of groundnut oil costs ₹348?
 - (i) 24 | (ii) 32 | (iii) 29 | (iv) 26 | (v) 34 |
- 5. If 16 men can make 80 chairs in a day, how many chairs are made by 25 men in a day?
 - (i) 127 (ii) 125 (iii) 124 (iv) 126 (v) 123
- 6. If 17 men can make 68 chappals in a day, how many men are needed to make 92 chappals in a day?
 - (i) 24 (ii) 26 (iii) 21 (iv) 23 (v) 22
- 7. If Kaushik can read 198 pages in 11 hr, how many pages can he read in 16 hr?
 - (i) 287 (ii) 289 (iii) 288 (iv) 285 (v) 291
- 8. If Kaushik can read 234 pages in 13 hr, he can read 306 pages in how many hours?
 - (i) 22 hr (ii) 12 hr (iii) 20 hr (iv) 14 hr (v) 17 hr
- 9. If 120 men can do a piece of work in 99 days, how many men can do the same work in 90 days?
 - (i) 131 (ii) 134 (iii) 129 (iv) 133 (v) 132
- 10. If 60 men can do a piece of work in 84 days, 30 men can do the same work in how many days?
 - (i) 168 days (ii) 151 days (iii) 192 days (iv) 153 days (v) 171 days
- A vehicle can cover certain distance in 50 min, running at a speed of 156 kmph. At what speed must the vehicle run to cover the same distance in 130 min?
 - (i) 60 kmph (ii) 57 kmph (iii) 65 kmph (iv) 63 kmph (v) 55 kmph
- A vehicle can cover certain distance in 112 min, running at a speed of 66 kmph. In how many minutes, the vehicle covers the same distance running at a speed of 84 kmph?
 - (i) 88 min (ii) 83 min (iii) 85 min (iv) 91 min (v) 93 min
- 13. The cost of 16 kg of cauliflowers is ₹352. How many kgs of cauliflowers can be purchased with ₹396?
 - (i) 23 kg (ii) 18 kg (iii) 13 kg (iv) 21 kg (v) 15 kg
- 14. The cost of 23 kg of carrots is ₹575. How much has to be paid to purchase 16 kg of carrots?
 - (i) ₹403 (ii) ₹388 (iii) ₹400 (iv) ₹428 (v) ₹377

16. A bus ticket fare for 16 km costs ₹57. How much is the fare for 15 km?
(i) ₹50.44 (ii) ₹56.44 (iii) ₹48.44 (iv) ₹58.44 (v) ₹53.44
The cost of 16 pens is ₹160 and 11 pencils is ₹110. With an amount of ₹370, 20 pencils are purchased. How many pens can be purchased with the remaining amount ?
(i) 18 (ii) 20 (iii) 16 (iv) 15 (v) 17
 The cost of 15 pens is ₹225 and 20 pencils is ₹140. With an amount of ₹354, 18 pens are purchased. How many pencils can be purchased with the remaining amount? (i) 10 (ii) 13 (iii) 11 (iv) 14 (v) 12
(1) 10 (11) 13 (111) 14 (V) 12
19. The sales tax for ₹100 of a bill is ₹16. How much sales tax has to be paid for a bill of ₹189 ?
(i) ₹33.24 (ii) ₹25.24 (iii) ₹35.24 (iv) ₹30.24 (v) ₹27.24
20. A group of pilgrims have to cover 20 km to reach a shrine. They walk 15 km in 20 hr. At what speed they have to walk to cover the remaining distance in 6 hr?
(i) 2.83 kmph (ii) 0.83 kmph (iii) 8.83 kmph (iv) 1.83 kmph (v) 7.83 kmph
21. To stitch a shirt, 100 cm of cloth is needed. How much cloth is needed to stitch 5 shirts?
(i) 500 cm (ii) 518 cm (iii) 524 cm (iv) 487 cm (v) 475 cm
22. 14 m of cloth is required to stitch 5 dresses. How many meters of cloth is required to stitch 24 dresses?
(i) 72.20 m (ii) 67.20 m (iii) 64.20 m (iv) 62.20 m (v) 70.20 m
23. The cost of 5 dozen bananas is ₹195. What is the cost of 17 dozens?
(i) ₹646 (ii) ₹663 (iii) ₹649 (iv) ₹687 (v) ₹665
24. 16 mangoes weigh 10 kg. If 7 mangoes are needed, how many kgs have to be purchased?
(i) 4.38 kg (ii) 2.38 kg (iii) 5.38 kg (iv) 3.38 kg (v) 6.38 kg
25
25. 50 men or 40 women can earn ₹2000 per day. How much is earned by 10 men and 18 women in a day? (i) ₹1030 (ii) ₹1300 (iii) ₹1460 (iv) ₹1480 (v) ₹1170
(i) (1000 (ii) (1100 (iv) (1110 (v) (1110
The specification on a printer says that it prints 4500 pages in 45 min. If 8500 pages have to be printed, how long will it take?
(i) 80 min (ii) 85 min (iii) 90 min (iv) 82 min (v) 88 min
27. 20 gm of gold costs ₹60000. What is the cost of 22 gm ?
(i) ₹67400 (ii) ₹66000 (iii) ₹67200 (iv) ₹64200 (v) ₹63300
28. A banker gave foreign exchange of \$19 for ₹817. How many dollars will the customer get for ₹1634?
(i) \$43 (ii) \$38 (iii) \$33 (iv) \$35 (v) \$41

15. The weight of 15 rounds of copper wire is 360 kg. How many rounds of copper wire is present in 456 kg?

(i) 19 (ii) 22 (iii) 16 (iv) 18 (v) 20

Assignment Key							
1) (i)	2) (i)	3) (iii)	4) (iii)	5) (ii)	6) (iv)		
7) (iii)	8) (v)	9) (v)	10) (i)	11) (i)	12) (i)		
13) (ii)	14) (iii)	15) (i)	16) (v)	17) (v)	18) (v)		
19) (iv)	20) (ii)	21) (i)	22) (ii)	23) (ii)	24) (i)		
25) (ii)	26) (ii)	27) (ii)	28) (ii)				

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