Name: Unitary Method Problems

**Chapter: Ratio and Proportion** 

Grade: CBSE Grade VI

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	1.	If 6	books	cost ₹36,	how	much	will	36	books	cost?	
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- (i) ₹232 (ii) ₹216 (iii) ₹209 (iv) ₹189 (v) ₹244
- 2. If 15 books cost ₹105, how many books can be purchased with ₹175?
  - (i) 27 (ii) 24 (iii) 22 (iv) 25 (v) 26
- 3. If 12 I of puja oil costs ₹216, how much will 27 I cost?
  - (i) ₹500 (ii) ₹513 (iii) ₹471 (iv) ₹470 (v) ₹486
- 4. If 14 I of fruit drink costs ₹182, how much of fruit drink costs ₹455?
  - (i) 32 l (ii) 40 l (iii) 30 l (iv) 35 l (v) 38 l
- 5. If 10 men can make 30 chappals in a day, how many chappals are made by 17 men in a day?
  - (i) 50 (ii) 49 (iii) 52 (iv) 51 (v) 54
- 6. If 18 men can make 90 chairs in a day, how many men are needed to make 125 chairs in a day?
  - (i) 26 (ii) 27 (iii) 23 (iv) 25 (v) 24
- 7. If Vikram can read 210 pages in 15 hr, how many pages can he read in 19 hr?
  - (i) 265 (ii) 267 (iii) 263 (iv) 268 (v) 266
- 8. If Sunny can read 204 pages in 12 hr, he can read 306 pages in how many hours?
  - (i) 13 hr (ii) 21 hr (iii) 18 hr (iv) 23 hr (v) 15 hr
- 9. If 84 men can do a piece of work in 130 days, how many men can do the same work in 182 days?
  - (i) 62 (ii) 58 (iii) 60 (iv) 61 (v) 59
- 10. If 156 men can do a piece of work in 56 days, 96 men can do the same work in how many days?
  - (i) 86 days (ii) 96 days (iii) 94 days (iv) 91 days (v) 88 days
- A vehicle can cover certain distance in 48 min, running at a speed of 98 kmph. At what speed must the vehicle run to cover the same distance in 56 min?
  - (i) 87 kmph (ii) 81 kmph (iii) 79 kmph (iv) 84 kmph (v) 89 kmph
- A vehicle can cover certain distance in 99 min, running at a speed of 50 kmph. In how many minutes, the vehicle covers the same distance running at a speed of 90 kmph?
  - (i) 52 min (ii) 58 min (iii) 55 min (iv) 50 min (v) 60 min
- 13. The cost of 22 kg of carrots is ₹660. How many kgs of carrots can be purchased with ₹390?
  - (i) 13 kg (ii) 16 kg (iii) 8 kg (iv) 10 kg (v) 18 kg
- 14. The cost of 21 kg of cabbages is ₹588. How much has to be paid to purchase 17 kg of cabbages ?
  - (i) ₹476 (ii) ₹493 (iii) ₹464 (iv) ₹478 (v) ₹461

16. A bus ticket fare for 13 km costs ₹56. How much is the fare for 12 km?  (i) ₹48.69 (ii) ₹54.69 (iii) ₹51.69 (iv) ₹56.69 (v) ₹46.69
The cost of 15 pens is ₹150 and 13 pencils is ₹78. With an amount of ₹246, 11 pencils are purchased. How many pens can be purchased with the remaining amount?  (i) 19 (ii) 17 (iii) 16 (iv) 21 (v) 18
<ul> <li>The cost of 15 pens is ₹255 and 12 pencils is ₹120. With an amount of ₹381, 13 pens are purchased. How many pencils can be purchased with the remaining amount?</li> <li>(i) 18 (ii) 13 (iii) 15 (iv) 17 (v) 16</li> </ul>
<ul> <li>19. The sales tax for ₹100 of a bill is ₹14. How much sales tax has to be paid for a bill of ₹242 ?</li> <li>(i) ₹28.88 (ii) ₹33.88 (iii) ₹38.88 (iv) ₹30.88 (v) ₹36.88</li> </ul>
A group of pilgrims have to cover 22 km to reach a shrine. They walk 11 km in 16 hr. At what speed they have to walk to cover the remaining distance in 7 hr?  (i) 9.57 kmph (ii) 1.57 kmph (iii) 3.57 kmph (iv) 0.57 kmph (v) 2.57 kmph
21. To stitch a shirt, 110 cm of cloth is needed. How much cloth is needed to stitch 6 shirts?  (i) 660 cm (ii) 685 cm (iii) 648 cm (iv) 676 cm
22. 20 m of cloth is required to stitch 8 dresses. How many meters of cloth is required to stitch 19 dresses?  (i) 42.50 m (ii) 44.50 m (iii) 47.50 m (iv) 52.50 m (v) 50.50 m
23. The cost of 10 dozen bananas is ₹440. What is the cost of 17 dozens?  (i) ₹726 (ii) ₹760 (iii) ₹763 (iv) ₹735 (v) ₹748
24. 12 mangoes weigh 6 kg. If 7 mangoes are needed, how many kgs have to be purchased?  (i) 3.50 kg (ii) 4.50 kg (iii) 2.50 kg (iv) 5.50 kg (v) 1.50 kg
25. 18 men or 30 women can earn ₹1800 per day. How much is earned by 13 men and 19 women in a day?  (i) ₹2580 (ii) ₹2260 (iii) ₹2440 (iv) ₹2660 (v) ₹2290
The specification on a printer says that it prints 2000 pages in 25 min. If 7600 pages have to be printed, how long will it take?  (i) 98 min (ii) 90 min (iii) 100 min (iv) 95 min (v) 92 min
27. 13 gm of gold costs ₹28600. What is the cost of 29 gm?  (i) ₹65600 (ii) ₹62000 (iii) ₹64300 (iv) ₹61100 (v) ₹63800
28. A banker gave foreign exchange of \$13 for ₹455. How many dollars will the customer get for ₹875 ?  (i) \$30 (ii) \$25 (iii) \$20 (iv) \$22 (v) \$28

15. The weight of 24 rounds of copper wire is 504 kg. How many rounds of copper wire is present in 357 kg?

(i) 19 (ii) 16 (iii) 14 (iv) 17 (v) 18

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

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