EduSahara™ Learning Center Assignment

Grade   : Class VI, CBSE
Chapter   : Ratio and Proportion
Name   : Unitary Method Problems
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1. If 15 books cost ₹120, how much will 39 books cost?

   (i) ₹314 (ii) ₹312 (iii) ₹306 (iv) ₹335 (v) ₹299

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2. If 11 dresses cost ₹77, how many dresses can be purchased with ₹210?

   (i) 29 (ii) 30 (iii) 31 (iv) 27 (v) 32

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3. If 9 lt of milk costs ₹162, how much will 39 lt cost?

   (i) ₹715 (ii) ₹708 (iii) ₹684 (iv) ₹702 (v) ₹679

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4. If 7 lt of water costs ₹119, how much of water costs ₹578?

   (i) 29 lt (ii) 34 lt (iii) 31 lt (iv) 37 lt (v) 39 lt

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5. If 19 men can make 76 baskets in a day, how many baskets are made by 16 men in a day?

   (i) 65 (ii) 64 (iii) 66 (iv) 63 (v) 62

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6. If 18 men can make 126 toys in a day, how many men are needed to make 133 toys in a day?

   (i) 18 (ii) 21 (iii) 20 (iv) 19 (v) 16

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7. If Raju can read 320 pages in 20 hrs, how many pages can he read in 14 hrs?

   (i) 223 (ii) 222 (iii) 226 (iv) 225 (v) 224

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8. If Kaushik can read 323 pages in 19 hrs, he can read 289 pages in how many hours?

   (i) 20 hrs (ii) 12 hrs (iii) 14 hrs (iv) 17 hrs (v) 22 hrs

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9. If 165 men can do a piece of work in 96 days, how many men can do the same work in 132 days?

   (i) 119 (ii) 122 (iii) 120 (iv) 121 (v) 118

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10. If 30 men can do a piece of work in 132 days, 60 men can do the same work in how many days?

    (i) 71 days (ii) 66 days (iii) 69 days (iv) 61 days (v) 63 days

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11. A vehicle can cover certain distance in 72 min., running at a speed of 105 kmph. At what speed must the vehicle run to cover the same distance in 56 min.?

(i) 151 kmph (ii) 133 kmph (iii) 135 kmph (iv) 120 kmph (v) 148 kmph

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12. A vehicle can cover certain distance in 80 min., running at a speed of 182 kmph. In how many minutes, the vehicle covers the same distance running at a speed of 112 kmph?

   (i) 124 min. (ii) 147 min. (iii) 116 min. (iv) 142 min. (v) 130 min.

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13. The cost of 15 kg of beans is ₹315. How many kgs of beans can be purchased with ₹357 ?

   (i) 22 kg (ii) 12 kg (iii) 14 kg (iv) 20 kg (v) 17 kg

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14. The cost of 24 kg of cabbages is ₹552. How much has to be paid to purchase 14 kg of cabbages ?

   (i) ₹307 (ii) ₹322 (iii) ₹338 (iv) ₹316 (v) ₹350

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15. The weight of 20 rounds of copper wire is 540 kg. How many rounds of copper wire is present in 594 kg?

   (i) 21 (ii) 23 (iii) 25 (iv) 22 (v) 20

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16. A bus ticket fare for 11 km costs ₹55. How much is the fare for 16 km?

   (i) ₹83.00 (ii) ₹80.00 (iii) ₹77.00 (iv) ₹75.00 (v) ₹85.00

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17. The cost of 18 pens is ₹342 and 20 pencils is ₹120. With an amount of ₹286, 16 pencils are purchased. How many pens can be purchased with the remaining amount ?

   (i) 11 (ii) 8 (iii) 13 (iv) 9 (v) 10

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18. The cost of 10 pens is ₹180 and 13 pencils is ₹130. With an amount of ₹446, 17 pens are purchased. How many pencils can be purchased with the remaining amount ?

   (i) 13 (ii) 12 (iii) 16 (iv) 15 (v) 14

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19. The sales tax for ₹100 of a bill is ₹11. How much sales tax has to be paid for a bill of ₹283 ?

   (i) ₹28.13 (ii) ₹26.13 (iii) ₹36.13 (iv) ₹31.13 (v) ₹34.13

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20. A group of pilgrims have to cover 16 km to reach a shrine. They walk 11 km in 12 hrs. At what speed they have to walk to cover the remaining distance in 9 hrs ?

   (i) 7.56 kmph (ii) 2.56 kmph (iii) 1.56 kmph (iv) 8.56 kmph (v) 0.56 kmph

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21. To stitch a shirt, 142 cm of cloth is needed. How much cloth is needed to stitch 5 shirts ?

   (i) 727 cm (ii) 710 cm (iii) 725 cm (iv) 693 cm (v) 684 cm

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22. 19 mt of cloth is required to stitch 8 dresses. How many meters of cloth is required to stitch 21 dresses?

(i) 46.88 mt (ii) 54.88 mt (iii) 49.88 mt (iv) 52.88 mt (v) 44.88 mt

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23. The cost of 6 dozen bananas is ₹246. What is the cost of 15 dozens ?

   (i) ₹615 (ii) ₹591 (iii) ₹641 (iv) ₹630 (v) ₹597

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24. 15 mangoes weigh 5 kg. If 6 mangoes are needed, how many kgs have to be purchased?

   (i) 2.00 kg (ii) 3.00 kg (iii) 0.00 kg (iv) 4.00 kg (v) 1.00 kg

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25. 50 men or 35 women can earn ₹3500 per day. How much is earned by 10 men and 11 women in a day?

   (i) ₹1860 (ii) ₹1950 (iii) ₹1800 (iv) ₹1780 (v) ₹1570

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26. The specification on a printer says that it prints 1000 pages in 20 min.. If 5000 pages have to be printed, how long will it take ?

   (i) 98 min. (ii) 83 min. (iii) 124 min. (iv) 117 min. (v) 100 min.

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27. 15 gm of gold costs ₹31500. What is the cost of 28 gm ?

   (i) ₹58200 (ii) ₹57400 (iii) ₹58800 (iv) ₹61300 (v) ₹60100

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28. A banker gave foreign exchange of $ 15 for ₹840. How many dollars will the customer get for ₹1288 ?

   (i) $ 20 (ii) $ 26 (iii) $ 28 (iv) $ 18 (v) $ 23

Assignment Key

1) (ii)
2) (ii)
3) (iv)
4) (ii)
5) (ii)
6) (iv)
7) (v)
8) (iv)
9) (iii)
10) (ii)
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19) (iv)
20) (v)
21) (ii)
22) (iii)
23) (i)
24) (i)
25) (iii)
26) (v)
27) (iii)
28) (v)