Unitary Method Worksheet – 2

1. If 15 apples cost Rs. 270, then what would be the cost of 49 apples?

a)   Rs. 885   b)   Rs. 828

c)   Rs. 882   d)   None of these

2. If 8 kg rice costs Rs. 416, then how much rice can be bought for Rs. 1352.

a)   25 Kg   b)   26 kg

c)   28 Kg   d)   None of these

3. Travelling 900 km by train costs Rs. 280. What would be the fare for a journey of 450 km when a person travels by the same train?

a)   Rs. 245   b)   Rs. 250

c)   Rs. 240   d)   Rs. 140

4. 25 chocolates cost Rs. 5.75. What will be the cost of 65 similar chocolates?

a)   Rs. 14.95   b)   Rs. 15.95

c)   Rs. 14.75   d)   Rs. 15.85

5. If a person travels 576 km in 9 hours, then how much time will he take to cover 1408 km?

a)   20 hours   b)   18 hours

c)   22 hours   d)   25 hours

6. 1152 packets of biscuit can be packed in 12 cartons of the same size. How many similar cartons would be needed to pack 4608 biscuit packets?

a)   84   b)   48

c)   24   d)   96

7. If $\frac{4}{5}$ meter cloth costs Rs. 72, then what would be the cost of $4\frac{2}{5}$ meters of cloth?

a)   Rs. 369   b)   Rs. 450

c)   Rs. 396   d)   Rs. 365

8. 450 grams of cake costs 90 rupees. How much would a 2.5 kg cake cost?

a)   Rs. 450   b)   Rs. 750

c)   Rs. 400   d)   Rs. 500

9. If 16 men can finish a work in 72 days, then how many days 4 men would take to complete the task?

a)   288   b)   298

c)   285   d)   256

10. A map is given with a scale of 2 cm = 500 km. What is the distance between two places in km, if the distance in the map is 4.5 cm?

a)   1225 km   b)   1325 km

c)   1125 km   d)   1425 km

11. A typist types 80 pages in 2 hours 30 minutes. How long will he take to type 400 pages?

a)   12.5 hours   b)   11.5 hours

c)   10.5 hours   d)   9.5 hours

12. 45 horse can graze a field in 24 days. How many horses will graze the same field in 8 days?

a)   125   b)   135

c)   145   d)   150

13. If 25 envelopes cost Rs. 12.25, then what is the cost of 65 such envelopes?

a)   Rs. 32.65   b)   Rs. 30.65

c)   Rs. 31.65   d)   Rs. 31.85

14. 8 pipes of the same diameter can fill a water tank in 48 minutes. If 2 pipes are broken, then how long will the remaining pipes to fill the tank?

a)   46   b)   56

c)   64   d)   66

15. An army regiment of 500 men had food for 35 days. After 3 days, 300 army personnel joined them. The remaining food will now last for how many days.

a)   15   b)   20

c)   25   d)   30

16. 10 men can finish the construction of a boundary wall in 7 days. How many men need to be added to finish the work in half day?

a)   80   b)   140

c)   50   d)   130

17. In a map 1 cm represents 20 km. How much distance will be represented by 70.5 cm.

a)   1410 km   b)   1400 km

c)   1420 km   d)   None of these

18. A tree 20 m tall has a 18 m long shadow. How long shadow a 50 m tall building will have at the same time?

a)   45   b)   65

c)   49   d)   50

19. A thread makes 280 rounds of the circumference of a pipe having radius 14 cm. How many times can it round a 28 cm radius?

a)   280   b)   140

c)   120   d)   200

20. If 12 meters of a steel pipe weighs 24 kg, then what would be the weight of 18 meters pipe?

a)   24   b)   30

c)   36   d)   40