Unitary Method Worksheet – 1

1. Weight of 8 class 7 math books is 7.2 kg. What is the weight of 20 such books?

a)   15 kg

b)   18 Kg

c)   20 kg

d)   None of these

2. Cost of 15 electric bulb is Rs. 825. What is the cost of 10 similar electric bulb?

a)   Rs. 450

b)   Rs. 650

c)   Rs. 550

d)   None of these

3. 400 ml cooking oil cost Rs. 60. What is the cost of 2.5 liters of cooking oil?

a)   Rs. 375

b)   Rs. 350

c)   Rs. 325

d)   Rs. 300

4. A motor bike consumes 4 litres of petrol to cover 260 km. Find the amount of petrol it will need to cover 1040 km.

a)   15 litres

b)   18 litres

c)   17 litres

d)   16 litres

5. A person can survive for 15 days with Rs. 900. For how many days he can survive with Rs. 3600.

a)   40 Days

b)   50 Days

c)   60 Days

d)   65 Days

6. If 3 kg sweets costs Rs. 450, then find the cost of 5.5 kg sweets.

a)   Rs. 825

b)   Rs. 725

c)   Rs. 625

d)   Rs. 925

7. In a race, Ravi covers 5 km in 20 minutes. How much distance will he cover in 2 hour?

a)   15 km

b)   20 km

c)   25 km

d)   30 km

8. A machine makes 500 marbles in 20 minutes. How many marbles will it make in $2\frac{1}{2}$ hours?

a)   2750

b)   3750

c)   4000

d)   4250

9. A women earns Rs. 7500 in 15 days. How much will she earn in the month of December?

a)   Rs. 14500

b)   Rs. 15000

c)   Rs. 15500   d)   Rs. 16000

10. If $\frac{3}{5}$ of water tank is filled in 2 minutes, then how much more time will be required to fill the rest of the tank?

a)   60 Seconds   b)   50 Seconds

c)   70 Seconds   d)   80 Seconds

11. 5 men can finish a work in 40 days. If 3 men join them, then the work will be finished in how many days?

a)   20   b)   25

c)   30   d)   40

12. 12 men can finish a work in 10 days. How many more men are needed to complete the work in 6 days?

a)   8   b)   10

c)   6   d)   12

13. A motorbike covers a distance in 2 hours 30 minutes at an average speed of 60 km/h. How much time it will take to cover the same distance at a speed of 75 km/h?

a)   1 hour   b)   1.5 hour

c)   2 hours   d)   3 hours

14. If 15 machines can dig a trench in 10 days, then 1 machine can dig it in _____ days.

a)   15   b)   20

c)   25   d)   150

15. In a hostel, 160 students had food for 30 days. For how many days is the food sufficient for 20 students?

a)   120   b)   240

c)   100   d)   420

16. 5 dozen eggs are purchased for Rs. 480. What will be the cost of 250 eggs?

a)   Rs. 2050   b)   Rs. 2000

c)   Rs. 1925   d)   Rs. 1988

17. A machine makes a toy every $\frac{1}{5}$ hour. If it works for $5\frac{2}{5}$ hours, then how many toys will he make?

a)   22   b)   25

c)   28   d)   27

18. If 21 girls eat as much as 15 boys, how many girls will eat as much as 35 boys?

a)   45   b)   65

c)   49   d)   50

19. If 10 pipes having same diameter can fill a water tank in 24 minutes, then how long 8 pipes would take to fill the tank?

a)   30 minutes   b)   32 minutes

c)   35 minutes   d)   40 minutes

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