

## Chapter- 2

**ESTIMATION****WORKSHEET****1 Mark**

1. Round off to the nearest tens:

i) 453    ii) 7326    iii) 24712    Ans: i) 450    ii) 7330    iii) 24710

2. Round off to the nearest hundreds:

i) 847    ii) 4972    iii) 62253    Ans: i) 800    ii) 5000    iii) 62300

3. Round off to the nearest thousands:

i) 4507    ii) 18297    iii) 25716    Ans: i) 5000    ii) 18000    iii) 26000

4. Estimate the product and verify by actual calculation :

(a)  $38 \times 7$     (b)  $45 \times 67$     a)  $40 \times 7 = 280$     b)  $50 \times 67 = 3350$ (c)  $225 \times 8$     (d)  $48 \times 73$     c)  $200 \times 8 = 1600$     d)  $50 \times 73 = 3650$ (e)  $602 \times 45$ e)  $600 \times 45 = 27000$ 

5. Choose the best estimate from the possible answers given :

(a)  $3 \times 52 = (120, 150, 180)$ (b)  $7 \times 31 = (210, 250, 280)$ (c)  $2 \times 698 = (1000, 1200, 1400)$ (d)  $2 \times 88 = (150, 180, 200)$ 

6. Estimate the sums by rounding off to the nearest thousands

i)  $7789 - 569$     Ans: i)  $8000 - 1000 = 7000$ ii)  $8976 + 4356$     Ans: ii)  $9000 + 4000 = 13000$ iii)  $5463 \times 768$     Ans: iii)  $5000 \times 1000 = 5000000$ 

7. Estimate each of the following using general rule:

(a)  $730 + 998 = 1700$ (b)  $796 - 314 = 1100$



(c)  $12,904 + 2,888 = 16,000$

(d)  $28,292 - 21,496 = 50,000$

8. Give a rough estimate (by rounding off to nearest hundreds) and also a closer estimate (by rounding off to nearest tens) :

(a)  $439 + 334 + 4,317$  Ans - nearest hundred - 5,000 nearest ten - 5,080

(b)  $1,08,734 - 47,599$  nearest hundred - 41,100 nearest ten - 41,130

(c)  $8325 - 491$  nearest hundred - 7700 nearest ten - 7,840

(d)  $4,89,348 - 48,365$  nearest hundred - 440900 nearest ten - 4,40,980

9. Estimate the following products using general rule:

(a)  $578 \times 161 = 120000$

(b)  $5281 \times 3491 = 15000000$

(c)  $1291 \times 592 = 600000$

10. Find the largest number formed by the digits 4, 3, 0, 9, rounded off to the nearest thousand. 4000

11. There are about 310 passengers in each car of the city train. As there are 8 cars for each train, there are about 2,480 passengers on each train.

- a. 240    b. 2,400    c. 2,004

12. The first bus had 96 passengers and the second bus had 107 passengers.

There are about 200 passengers into total.

- a. 100    b. 150    c. 200

13. In the morning, there are about 452 planes taking off from the airport and 127 of the planes are delayed for more than 15 minutes. About \_\_\_\_\_ planes take off within 15 minutes of the scheduled time.

- a. 450    b. 130    c. 330



14. The distance between two bus terminals is 390 km. It takes the bus 4 hours to go from one terminal to another. The speed of the bus is about 100 km per hour.

- a. 100                                      b. 10                                      c. 386

15. In a city, there are 45,960 electric cars and 96,113 gas cars. There are about \_\_\_\_\_ more gas cars than electric cars.

- a. 5,000                                      b. 50,000                                      c. 5,100

17. List all the numbers which can be rounded off to 30. 25, 26, 27, 28, 29, 30, 31, 32, 33, 34

18. List all the numbers which can be rounded off to 50. 45, 46, 47, 48, 49, 50, 51, 52, 53, 54

19. Write the smallest and the largest numbers which are rounded off to 90. Small - 85  
large - 94

20. Write the smallest and the largest numbers which are rounded off to 130.

Small - 125  
large - 134

