Chapter- 2

ESTIMATION

WORKSHEET

1 Mark

1. Round off to the nearest tens:

i) 453   ii) 7326   iii) 24712   A- i)450 ii) 7330 iii) 24710

2. Round off to the nearest hundreds:

i) 847   ii) 4972   iii) 62253   A - i)800 ii)5000 iii)62300

3. Round off to the nearest thousands:

i) 4507   ii) 18297   iii) 25716   A - i) 5000 ii)18000 iii) 26000

4. Estimate the product and verify by actual calculation :

(a) 38 x 7   (b) 45 x 67

(c) 225 x 8   (d) 48 x 73

(e) 602 x 45

	Estimate	Actual			Estimate	Actual
a)	400	266		d)	3500	3504
b)	3500	3015		e)	30000	27090
c)	2300	1800				

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

(a) 3 x 52 = (120, 150, 180) ✓

(b) 7 x 31 = (210, 250, 280) ✓

(c) 2 x 698 = (1000, 1200, 1400) ✓

(d) 2 x 88 = (150, 180, 200) ✓

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

i)7789-569 – 7000

ii)8976+4356 – 13,000

iii)5463X768 – 50,00,000

7. Estimate each of the following using general rule:

(a) 730 + 998   A 1700

(b) 796 – 314 - A - 500

(c) 12,904 + 2,888 ~ 16000

(d) 28,292 – 21,496 ~ 7,000

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

	Nearest 100	Nearest 10
(a) 439 + 334 + 4,317	5006	5090
(b) 1,08,734 – 47,599	61,100	61,130
(c) 8325 – 491	7800	7840
(d) 4, 89,348 – 48,365	4,40,900	4,40,980

9. Estimate the following products using general rule:

(a) 578 × 161   A - 1 20,000

(b) 5281 × 3491 A - 1,50,00,000

(c) 1291 × 592 A - 7,20,000

10. Find the largest number formed by the digits 4, 3,0, 9, rounded off to the nearest thousand.   A- 9430 and 9000

11.There are about 310 passengers in each car of the city train. As there are 8 cars for each train, there are about __2,400__ passengers on each train.

    a. 240   ✔. 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   ✔ 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 __320__ 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 __50,000__ more gas cars than electric cars.

   a. 5,000   b. 50,000 ✓   c. 5,100 6. A pilot

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

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

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

20. Write the smallest and the largest numbers which are rounded off to 130. 125 & 134

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