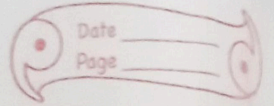


CHAPTER-3

ESTIMATION

WORKSHEET



1. Mark

1. Round off to the nearest ten:

i) 453 ii) 7326 iii) 24712

2. Round off to the nearest hundred:

i) 847 ii) 4972 iii) 62253

3. Round off to the nearest thousands:

i) 4507 ii) 18297 iii) 25716

4. ~~Estimate the product and verify by actual calculation:~~

a) ~~38×7 b) 45×67~~

c) ~~225×8 d) 48×71~~

e) ~~602×45~~

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) ~~$2 \times 88 = (150, 180, 200)$~~

4. ~~Estimate the product and verify by actual calculation:~~

a) ~~38×7~~

~~Ans- $\begin{array}{r} \times 38 \\ 7 \\ \hline 266 \end{array}$~~

~~7~~

~~266~~

b) ~~45×67~~

~~Ans- $\begin{array}{r} \times 45 \\ 67 \\ \hline 3015 \end{array}$~~

~~67~~

~~315~~

~~2700~~

~~3015~~

c) 225×8
Ans-
$$\begin{array}{r} 225 \\ \times 8 \\ \hline 1800 \end{array}$$
 Ans - 2000

d) 48×73
Ans -
$$\begin{array}{r} 48 \\ \times 73 \\ \hline 584 \\ 2920 \\ \hline 3504 \end{array}$$

e) 602×45
Ans-
$$\begin{array}{r} 602 \\ \times 45 \\ \hline 3010 \\ 24080 \\ \hline 27090 \end{array} = 30,000$$

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

a) $3 \times 52 = (120, 150, 180)$
Ans-
$$\begin{array}{r} 52 \\ \times 3 \\ \hline 156 \end{array} = 180$$

b) $7 \times 31 = (210, 250, 280)$ ✓
Ans-
$$\begin{array}{r} 31 \\ \times 7 \\ \hline 217 \end{array}$$

c) $2 \times 698 = (1000, 1200, 1400)$

Ans-
$$\begin{array}{r} \times 698 \\ \\ \hline 1396 \end{array}$$
 Ans - 1000

d) $2 \times 88 = (160, 180, 200)$

Ans-
$$\begin{array}{r} \times 88 \\ \\ \hline 176 \end{array}$$
 Ans - 180.

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

i) $7789 - 569$
Ans- $= 8000 - 1000$
 $= 7000$

ii) $8976 + 4356$
Ans- $= 9000 + 4000$
 $= 5000$

iii) 5463×768
Ans- $= 5000 \times 1000$
 $= 50,00,000$

7. Estimate each of the following using general rule:

a) $730 + 998$
Ans- $700 + 1000$
 $= 1700$

b) $796 - 314$
 $= 800 - 300$
 $= 500$

c) $12,904 + 2,888$
 $= 13,000 + 3000$
 $= 16000.$

d) $28,292 - 21,496$
 $= 28000 - 21,000$
 $= 7000$

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- $400 + 300 + 4000$
 $= 4700$

d) $4,89,348 - 48,365$
Ans- $4,89,300 - 48,400$
 $= 4,40,900.$

b) $1,08,734 - 47,599$
Ans- $1,08,700 - 47,600$
 $= 61,100$

c) $8325 - 491$
Ans- $8300 - 500$
 $= 7,800.$

9. Estimate the following product using general rule:

a) 578×161 b) 5281×3401 c) 1291×592
 Ans- 600×200 Ans- 5000×3000 Ans- 1000×1000
 $= 120,000$ $= 15,000,000$ $1,000,000$

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

Ans- The largest digit = 9430.
 Rounded-off = 9000.

11. There are about 350 passengers in each car of the city train. As there are 8 cars for each train, there are about _____ 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 _____ passengers in 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 ✓ 330

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