

Worksheet - 2

- Ans. 1 (i) 450
(ii) 7330
(iii) 24710

- Ans. 2 (i) 800
(ii) 18300
(iii) 25700

Ans 4 ~~38×7~~ when estimated = 266

- Ans 4 (i) $38 \rightarrow 40$
 $7 \rightarrow 10$
~~ans~~ $40 \times 10 = 400$

- Ans 4 (ii) $48 \rightarrow 50$
 $67 \rightarrow 70$
 $50 \times 70 = 3500$

- (iii) $225 \rightarrow 230$
 $8 \rightarrow 10$
 $230 \times 10 = 2300$

- (iv) $48 \rightarrow 50$
 $73 \rightarrow 80$
 $90 \times 50 = 350$

- (v) $602 \rightarrow 600$
 $45 \rightarrow 50$
 $600 \times 50 = 3000$

- Ans. 5 (i) 150
(ii) 210
(iii) 1400
(iv) 180

Ans. 6 (i) $7789 \rightarrow 8000$
 $569 \rightarrow 1000$
 $8000 + 1000 = 9000$

(ii) $8976 \rightarrow 9000$
 $4356 \rightarrow 4000$
 $9000 + 4000 = 13000$

(iii) $5463 \rightarrow 5000$
 $768 \rightarrow 1000$
 $5000 + 1000 = 6000$

Ans. 7 (a) $730 \rightarrow 700$
 $998 \rightarrow 1000$
 $700 + 1000 = 1700$

(b) $796 \rightarrow 800$
 $314 \rightarrow 300$
 $800 - 300 = 500$

(c) $12904 \rightarrow 10,000$
 $2,888 \rightarrow 3000$
 $10000 + 3000 = 13000$

d) $28792 = 30000$
 $21,496 = 20000$
 $30000 - 20000 = 10000$

Ans 8 a) Rough estimate
 $439 = 400$
 $334 = 300$
 $4317 = 4300$
 Sum = 5000

Closer estimate
 $439 \rightarrow 440$
 $334 \rightarrow 330$
 $4317 \Rightarrow 5090 - 4320$
 sum = 5090

(b) Rough estimate

Closer estimate

$108734 - 47599$
 $\Rightarrow 108700 - 47600$
 $= 61100$

$108734 + 47599$
 $\Rightarrow 1081730 - 47600$
 $= 61130$

c) ~~8325491~~ Rough estimate
~~83300 = 490 = 7800~~

Closer estimate

$8325 - 491$
 $\Rightarrow 8300 - 500 = 7800$

$8325 - 491$
 $\Rightarrow 8330 - 590$
 $= 7840$

d) Rough estimate

Closer estimate

$489348 - 48365$
 $\Rightarrow 489300 - 48400$
 $\Rightarrow 4,40,900$

$489348 - 48365$
 $\Rightarrow 489300 - 48370$
 $\Rightarrow 4,90,980$

~~e) Rough estimate~~

~~Closer estimate~~

Ans 9 a) 578×161
 $\Rightarrow 600 \times 200$
 $= 12000$

b) 5281×3791
 $\Rightarrow 5000 \times 3000$
 $= 15000000$

~~b) 5281×3791
 $\Rightarrow 5000$~~

(c) 1291×592
 $\Rightarrow 7300 \times 600$
 $= 7,80,000$

~~1291×592~~

Ans 10 Largest no. that can be formed is 9430 and when it is rounded off to the nearest thousand it is 9000

Ans 11 4310×8

$= 2480 = 2400$ (approx)

Ans 12 Add $107 + 96$

So, $= 203 = 200$ (approx)

Ans 13 Sub $452 - 127$

So, $= 325 = 330$ (approx)

Ans 14 Distance between two buses = 390 Km

Time taken = 4 hr

Speed = $390 \div 4$

$= 97.5$ km/hr

$= 100$ km/hr (approx)

Ans 15 No. of electric cars = 45960

No. of gas cars = 96113

More gas cars than electric cars = $96113 - 45960$
 (approx) = $(100000 - 50000)$
 $= 50000$

Ans 17 25, 26, 27, 28, 29, 30, 31, 32, 33, 34

Ans 18 45, 46, 47, 48, 49, 50, 51, 52, 53, 54

Ans 19 smallest is 85, largest is 94

Ans 20 Smallest is 125, largest is 134