Class : III   Subject: Mathematics   Topic: Unit 13 work

Work to be done:

Warm up + units of weight, Conversion of weight.

Exercise 13 A - Q1 in book, Q2 – a, c, d, Q3 – b, e, f in copy

Exercise 13 B – Q1 – a, c, e in book, Q2 – e, g, i in book, Q3, Q4 in copy

        Q 5 and 6 as HW

Exercise 13 C – Q1, 4, 5, 6, 9 in copy.

Worksheet to be pasted in the copy.

Exercise 13A

1. (a) kg   (b) g   (c) kg
    (d) g   (e) kg   (f) g

2. (a) 7 kg = 7 × 1000 g = 7000 g   (1 kg = 1000 g)
    (b) 6 kg 50 g = 6000 g + 50 g = 6050 g
    (c) 4 kg 991 g = 4000 g + 991 g = 4991 g
    (d) 1 kg 1 g = 1000 g + 1 g = 1001 g
    (e) 3 kg 287 g = 3000 g + 287 g = 3287 g
    (f) 5 kg 2 g = 5000 g + 2 g = 5002 g

3. (a) 7000 g = 7 × 1000 g = 7 kg
    (b) 8025 g = 8000 g + 25 g = 8 kg 25 g
    (c) 3007 g = 3000 g + 7 g = 3 kg 7 g
    (d) 6050 g = 6000 g + 50 g = 6 kg 50 g
    (e) 9999 g = 9000 g + 999 g = 9 kg 999 g
    (f) 8425 g = 8000 g + 425 g = 8 kg 425 g

Exercise 13B

1. (a)
```
   980 g
 +270 g
  1250 g
```
(b)
```
   440 g
 +107 g
   547 g
```
(c)
```
    90 kg
  +27 kg
   117 kg
```

(d)
kg	g
23	192
+18	365
41	557

(e)
kg	g
84	275
+9	165
93	440

(f)
kg	g
103	20
+73	192
176	212

2. (a)
```
   417 g
 -290 g
   127 g
```
(b)
```
   834 kg
  -78 kg
   756 kg
```
(c)
```
   700 kg
 -197 kg
   503 kg
```

(d)
kg	g
43	972
-19	321
24	651

(e)
kg	g
84	437
-9	625
74	812

(f)
kg	g
810	257
-149	63
661	194

(g)
kg	g
8	025
-7	000
1	025

(h)
kg	g
16	247
-1	999
14	248

(i)
kg	g
43	843
-12	009
31	834

3.
kg	g
10	500
2	750
+	395
13	645

Sum = 13 kg 645 g

4.
kg	g
23	795
-12	000
11	795

Difference = 11 kg 795 g

5.
kg	g
3	000
- 0	485
2	515

Difference = 2 kg 515 g

6.
kg	g
107	000
295	005
+ 43	235
445	240

Sum = 445 kg 240 g

Exercise 13C

1. Weight of Mary's Maths book = 3 7 5 g
   Weight of Social Science book = + 4 0 5 g
   Total weight = $\underline{780\,g}$

2. Weight of rhinoceros when born = 35 kg 390 g
   After 2 years his weight = 205 kg
   His increased weight =

kg	g
205	000
− 35	390
169	610

   So, his increased weight = 169 kg 610 g

3. Weight of cauliflower = 3 kg 350 g
   Weight of tomatoes = 2 kg 105 g
   Weight of onions = + 1 kg 500 g
   Total weight of vegetables = $\underline{6\ kg\ 955\ g}$
   But her bag can hold 5 kg.
   So, she will be unable to carry all the vegetables in her bag.

4. Total weight of Ruhi and Juhi = 63 kg 750 g
   But Ruhi's weight = − 37 kg 230 g
   Hence, Juhi's weight = $\underline{26\ kg\ 520\ g}$

5. Weight of sugar purchased from 1ˢᵗ shop = 60 kg 195 g
   Weight of sugar purchased from 2ⁿᵈ shop = + 23 kg 275 g
   Total weight of sugar purchased = $\underline{83\ kg\ 470\ g}$

6. Robin's weight = 32 kg 273 g
   Jenny's weight = + 29 kg 290 g
   Total weight = $\underline{61\ kg\ 563\ g}$

   Now,

kg	g
32	273
− 29	290
2	983

   So, Robin is heavier than Jenny by 2 kg 983 g.

7. Sally bought refined oil of weight = 17 kg 235 g
   She bought rice of weight = 18 kg 050 g
   She bought wheat flour of weight = + 35 kg 000 g
   Hence, total weight = $\underline{70\ kg\ 285\ g}$

8. Monika bought sweets of weight = 10 kg 250 g
   She distributed sweets of weight = – 7 kg 105 g
   Weight of sweets left with her = 3 kg 145 g

9. Bucket full of water of weight = 16 kg 320 g
   Empty bucket of weight = – 935 g
   Hence, Weight of water = 15 kg 385 g