15. sh. 60,000 $\xrightarrow{\text{buys}}$ 5 books

sh. 108,000 will buy $\dfrac{\text{more}}{\text{Less}}$ x No. of books

$$= \dfrac{\overset{9}{\cancel{108,000}}}{\underset{\underset{1}{12}}{\cancel{60,000}}} \times \cancel{5}$$

$$= \underline{9 \ \text{books}}$$

16. L.C.M + Rem

```
2 | 8 | 6
2 | 4 | 3
2 | 2 | 3
3 | 1 | 3
    1   1
```

= (2 x 2 x 2 x 3) + Rem
= (4 x 6) + 5
= 24 + 5
= 29 oranges

17. $8 + 8 \div 8$ x x ✓
    Bodmas

$8 + 8 \div 8$
$8 + 1$
$\underline{\underline{9}}$

Section B

21. a) Median 2̶8̶, 3̶5̶, $\boxed{35, \ 40,}$ 4̶2̶, 6̶0̶

$$= \dfrac{35 + 40}{2}$$

$$= \dfrac{\cancel{75}}{\cancel{2}}$$

$$= \underline{37\tfrac{1}{2}}$$

b) Mean $= \dfrac{(28 + 35) + (35 + 40) + 42 + 60}{6}$

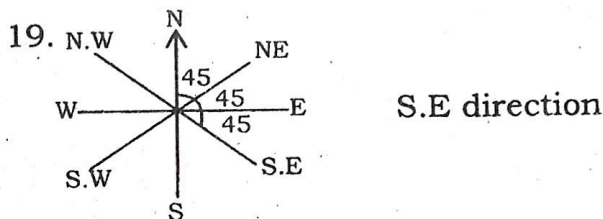$$= \dfrac{(63 + 75) + 102}{6}$$

$$= \dfrac{138 + 102}{6}$$

$$= \dfrac{\overset{40}{\cancel{240}}}{\cancel{16}}$$

$$= \underline{\underline{40}}$$

c) Modal frequency = 2 times

18. I = P x T x R

I = sh. $\underset{36}{72,000}$ x $1\tfrac{1}{2}$ x 10%

I = sh. $\cancel{72,000}$ x $\dfrac{3}{\cancel{2}}$ x $\dfrac{\cancel{10}}{\cancel{100}}$

I = sh. 3600 x 3

I = $\underline{\underline{\text{sh. 10,800}}}$

```
  Pw
  3600
x    3
──────
10800
```

19.

S.E direction

20.
```
39.9 | 6
+  1 |←
─────
40.0 |
```

R.P.V = Tenths
↗ upwards add + 1
← down words add 0

22.

$n(\mathscr{E}) =$
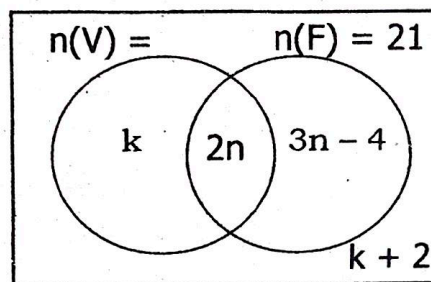
a) 2n + 3n − 4 = 21
    5n − 4 + 4 = 21 + 4
    $\dfrac{\cancel{5}n}{\cancel{5}}$ = $\dfrac{\overset{5}{\cancel{25}}}{\underset{1}{\cancel{5}}}$
    $\underline{\underline{n = 5}}$

b) k + k + 2 = 14
    2k + 2 − 2 = 14 − 2
    $\dfrac{2k}{\cancel{2}}$ = $\dfrac{\overset{6}{\cancel{12}}}{\underset{1}{\cancel{2}}}$
    $\underline{\underline{k = 6}}$

2