

Answers to Practice Exercises for Chapter 7 – The Four Rules for Larger Numbers

Set A - Question 10

Table Method:

| | | | | |
|-----|--------|-------|-----|--------|
| | 300 | 40 | 4 | |
| 100 | 30 000 | 4 000 | 400 | 34 400 |
| 60 | 18 000 | 2 400 | 240 | 20 640 |
| 9 | 2 700 | 360 | 36 | 3 096 |
| | | | | 58 136 |
| | | | | 1 1 |

Working:

| | | |
|--------|--------|-------|
| 30 000 | 18 000 | 2 700 |
| 4 000 | 2 400 | 360 |
| 400 | 240 | 36 |
| 34 400 | 20 640 | 3096 |

Lattice Method:

| | | | | | |
|---|---|---|---|---|--|
| | | 3 | 4 | 4 | |
| | 0 | 0 | 0 | 1 | |
| 5 | 1 | 2 | 2 | 6 | |
| 8 | 2 | 3 | 3 | 9 | |
| | 1 | 3 | 6 | | |

Standard Method:

| |
|-------------------------------------|
| 3 4 4 |
| 1 6 9 |
| 3 0 ³ 9 ³ 6 |
| 2 0 ³ 6 ² 4 0 |
| 3 4 4 0 0 |
| 5 8 1 3 6 |
| 1 1 |

or

| |
|-------------------------------------|
| 1 6 9 |
| 3 4 4 |
| 6 ² 7 ³ 6 |
| 6 ² 7 ³ 6 0 |
| 5 ² 0 ² 7 0 0 |
| 5 8 1 3 6 |
| 2 1 |