

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

### Set A - Question 12

**Table Method:**

	40 000	200	50	
300	12 000 000	60 000	15 000	12 075 000
80	3 200 000	16 000	4 000	3 220 000
				15 295 000

**Working:**

12 000 000	3 200 000
60 000	16 000
15 000	4 000
12 075 000	3 220 000
	1

**Lattice Method:**

	4	0	2	5	0	
1	1 2	0 0	0 6	1 5	0 0	3
5	3 2	0 0	1 6	4 0	0 0	8
2	0 0 <sub>1</sub>	0 0	0 0	0 0	0 0	0
	9	5	0	0	0	

**Standard Method:**

$$\begin{array}{r}
 40250 \\
 380 \\
 \hline
 322^2 0^4 000 \\
 1207^1 5000 \\
 \hline
 15295000
 \end{array}$$

Note: It is very easy here to get the zeroes wrong.

In the first line, working from the right, the first zero is because we are starting with the tens. The next zero is because  $8 \times 0 = 0$ . Then there is another zero because  $6 \times 5 = 40$ .

In both lines, don't forget to multiply by the 0 in the thousands of 40 250.