Exercise 3.3

Q. A   Multiply by expanding bigger number.
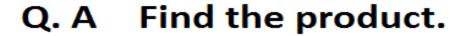
a)   3 6 7 8   x   6

Ans.

TH	H	T	O
3	6	7	8

3000 + 600 + 70 + 8   (Expanded Form) (Big Form)

T.TH TH H T O

①①

3000 x 6 =   1 8 0 0 0

600 x 6 =   3 6 0 0

70 x 6 =   4 2 0

8 x 6 =   4 8

+

2 2 0 6 8   ANSWER

b) 5 0 2 8 x 9

Ans.

TH	H	T	O
5	0	2	8

5000 + 0 + 20 + 8   (Expanded Form) (Big Form)

T.TH TH H T O

①

5000 x 9 =   4 5 0 0 0

0 x 9 =   0

20 x 9 = +   1 8 0

8 x 9 =   7 2

4 5 2 5 2   **ANSWER**

Exercise 3.4

Multiply by 2 digit number

Q. A   Find the product.

a)   1 3 6 x 4 9

```
      H   T   O
      1   3   6
    x     4   9
    _____
    1 2 2 4
  + 5 4 4 x
    _____
    6 6 6 4      Answer
    _____
```

Rough Work

Table 9

③ ⑤

```
    1   3   6
  x         9
  _____
  1   2   2   4
  _____
```

Table 4

① ②

```
    1   3   6
  x         4
  _____
      5   4   4
  _____
```

b) 3 7 8 x 3 2

H	T	O
3	7	8

x 3 2

	①	7	5	6
+	1	1	3	4	x
	1	2	0	9	6

Answer

Rough Work

Table 2

① ①
3 7 8
x 2
7 5 6

Table 3

② ②
3 7 8
x 3
1 1 3 4

c)   1 2 3 4 x 4 8

	TH	H	T	O
	1	2	3	4
		x	4	8

+ ⓵ ⓵
  ⓵ 9 8 7 2
  4 9 3 6 x
  ─────────
  5 9 2 3 2   **Answer**

Rough Work

Table 8

① ② ③
1 2 3 4
    x   8
─────────
9 8 7 2

Table 4

① ①
1 2 3 4
    x   4
─────────
4 9 3 6

d)   3 0 8 7 x 3 7

Rough Work

	TH	H	T	O
	3	0	8	7
		x	3	7

①
  2 1 6 0 9
+ 9 2 6 1 x
  _____
1 1 4 2 1 9   **Answer**

Table 7

⑥ ④
  3 0 8 7
    x   7
  _____
2 1 6 0 9

Table 3

② ②
  3 0 8 7
    x   3
  _____
  9 2 6 1