Starting Point ...

1a. True or false? The answer is 9,636.
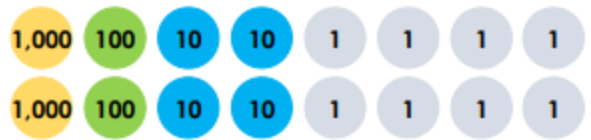
	1,000	1,000	1,000	100	100	100	10	1	1
	1,000	1,000	1,000	100	100	100	10	1	1
	1,000	1,000	1,000	100	100	100	10	1	1

	3	3	1	2
x				3

VF

1b. True or false? The answer is 2,248.

| 1,000 | 100 | 10 | 10 | 1 | 1 | 1 | 1 |
| 1,000 | 100 | 10 | 10 | 1 | 1 | 1 | 1 |

	1	1	2	4
x				2

VF

2a. Complete the calculation 1,111 x 4.

1,000	100	10	1
1,000	100	10	1
1,000	100	10	1
1,000	100	10	1

	1	1	1	1
x				4

VF

2b. Complete the calculation 2,321 x 3.

1,000	1,000	100	100	100	10	10	1
1,000	1,000	100	100	100	10	10	1
1,000	1,000	100	100	100	10	10	1

	2	3	2	1
x				3

VF

3a. There are 2,213 straws in a box.

| 1,000 | 1,000 | 100 | 100 | 10 | 1 | 1 | 1 |

x				

How many will there be in 3 boxes?
Draw a representation of the calculation to support your working out.

VF

3b. There are 4,311 counters in a bag.

| 1,000 | 1,000 | 1000 | 1000 | 100 | 100 | 100 | 10 | 1 |

x				

How many will there be in 2 bags?
Draw a representation of the calculation to support your working out.

VF

Feeling Happy …
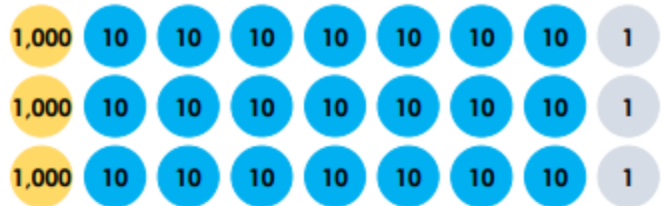
4a. True or false? The answer is 12,222.

| 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 100 | 10 | 1 |
| 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 100 | 10 | 1 |

	6	1	1	1
x				2

VF

4b. True or false? The answer is 3,013.

1,000	10	10	10	10	10	10	10	1
1,000	10	10	10	10	10	10	10	1
1,000	10	10	10	10	10	10	10	1

	1	0	7	1
x				3

VF

5a. Solve: 3,572 x 3. Use a formal method to show your working out.

Th	H	T	O
•••	•••••	••••••	••
•••	•••••	••••••	••
•••	•••••	••••••	••

VF

5b. Solve: 2,707 x 5. Use a formal method to show your working out.

Th	H	T	O
••	•••••••		•••••
••	•••••••		•••••
••	•••••••		•••••
••	•••••••		•••••
••	•••••••		•••••

VF

6a. There are 6,405 straws in a box.

Th	H	T	O
•••••	••••		•••••

How many will there be in 4 boxes? Complete the chart and use a formal method.

VF

6b. There are 4,821 counters in a bag.

Th	H	T	O
••••	•••••••	••	•

How many will there be in 5 bags? Complete the chart and use a formal method.

VF

Hot Stuff ...

7a. True or false? 3,472 x 4 = 13,688.

Th	H	T	O
●●●	●●●●	●●●●● ●●●	●●

Complete the place value chart and use a formal method to help you.

VF

7b. True or false? 4,266 x 3 = 12,798.

Th	H	T	O
●●●●	●●	●●● ●●●	●●● ●●●

Complete the place value chart and use a formal method to help you.

VF

8a. Complete the calculation 5,128 x 5.

Th	H	T	O
●●● ●●	●	●●	●●●● ●●●●

X

8b. Complete the calculation 2,607 x 6.

Th	H	T	O
●●	●●● ●●●		●●●● ●●●●

X

9a. There are 7,052 straws in a box.

Th	H	T	O

X

How many will there be in 4 boxes?

9b. There are 5,310 counters in a bag.

Th	H	T	O

X

How many will there be in 7 bags?

Extension

1a. George solved the calculation below and thinks the answer is 7,642.

	4	3	2	1
x				2

Identify his mistake.

1b. Deb solved the calculation below and thinks the answer is 6,693.

	2	2	3	2
x				3

Identify her mistake.

2a. Work out the missing numbers. Use the place value counters to help you.

	1	☐	2	2
x				4
	☐	4	☐	8

2b. Work out the missing numbers. Use the place value counters to help you.

	☐	2	1	☐
x				2
	2	☐	2	8
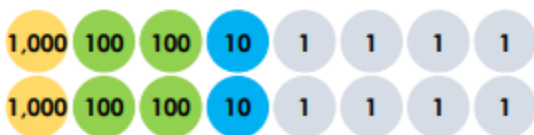
5a. Work out the missing numbers. Use the place value chart to help you.

Th	H	T	O

	2	4	☐	6
x				3
	☐	2	4	☐
		1		1

5b. Work out the missing numbers. Use the place value chart to help you.

Th	H	T	O

	7	0	8	☐
x				2
	☐	4	☐	6	8
			1	

Answers – No Peeking!

Starting Point

1a. False. 3,312 x 3 = 9,936
2a. 1,111 x 4 = 4,444
3a. 2,213 x 3 = 6,639

Feeling Happy

4a. True
5a. 3,572 x 3 = 10,716
6a. 6,405 x 4 = 25,620

Hot Stuff

7a. False. 3,472 x 4 = 13,888
8a. 5,128 x 5 = 25,640
9a. 7,052 x 4 = 28,208

Starting Point

1b. True
2b. 2,321 x 3 = 6,963
3b. 4,311 x 2 = 8,622

Feeling Happy

4b. False. 1,071 x 3 = 3,213
5b. 2,707 x 5 = 13,535
6b. 4,821 x 5 = 24,105

Hot Stuff

7b. True
8b. 2,607 x 6 = 15,642
9b. 5,310 x 7 = 37,170

Extension

1a. 4,321 x 2 = 8,642. George has not multiplied 4,000 by 2 correctly.

2a.

	1	1	2	2
x				4
	4	4	8	8

5a.

	2	4	1	6
x				3
	7	2	4	8
		1		1

Extension

1b. 2,232 x 3 = 6,696. Deb has not multiplied 2 by 3 correctly.

2b.

	1	2	1	4
x				2
	2	4	2	8

5b.

	7	0	8	4
x				2
1	4	1	6	8
			1	