Calculation

100 square									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Multiplication and division square									
1	2	3	4	5	6	7	8	9	10
2	**4**	6	8	10	12	14	16	18	20
3	6	**9**	12	15	18	21	24	27	30
4	8	12	**16**	20	24	28	32	36	40
5	10	15	20	**25**	30	35	40	45	50
6	12	18	24	30	**36**	42	48	54	60
7	14	21	28	35	42	**49**	56	63	70
8	16	24	32	40	48	56	**64**	72	80
9	18	27	36	45	54	63	72	**81**	90
10	20	30	40	50	60	70	80	90	**100**

Fractions									
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	1
Decimals									
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Percentages									
10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

Calculation

Column Addition 1

(a)

	T	U	
	3	**2**	*(2 + 4 = 6)*
+	**5**	**4**	

(b)

	T	U	
	3	**2**	
+	**5**	**4**	*(3 + 5 = 8)*
		6	

(c)

	T	U
	3	**2**
+	**5**	**4**
	8	**6**

Column Addition 2 (carrying)

(a)

	T	U	
	4	**8**	*(8 + 5 = 13)*
+	**2**	**5**	

(b)

	T	U	
	4	**8**	*(4 + 2 = 6)*
+	**2**	**5**	*(6 + 1 = 7)*
		3	
	1		

(c)

	T	U
	4	**8**
+	**2**	**5**
	7	**3**
	1	

Column Addition 3

(a)

	H	T	U	
	3	**5**	**8**	*(8 + 4 = 12)*
+		**9**	**4**	
			2	
		1		

(b)

	H	T	U	
	3	**5**	**8**	*(5 + 9 = 14)*
+		**9**	**4**	*(14 +1 = 15)*
		5	**2**	
	1	1		

(c)

	H	T	U	
	3	**5**	**8**	*(3 + 1 = 4)*
+		**9**	**4**	
	4	**5**	**2**	
	1	1		

Subtraction 1

(a)

	T	U	
	6	**7**	*(7 - 4 = 3)*
-	**2**	**4**	

(b)

	T	U	
	6	**7**	
-	**2**	**4**	*(6 - 2 = 4)*
		3	

(c)

	T	U
	6	**7**
-	**2**	**4**
	4	**3**

Subtraction 2 (decomposition)

(a)

	T	U	
	8	**2**	*(2 - 6 = ?)*
-	**5**	**6**	*move over a 10*

(b)

	T	U	
	7 **~~8~~**	1**2**	
-	**5**	**6**	*(12 - 6 = 6)*
		6	

(c)

	T	U
	7 **~~8~~**	1**2**
-	**5**	**6**
	2	**6**

Calculation

Short Multiplication 1

(a)

	T	U	
	2	**6**	*(6 x 3 = 18)*
x		**3**	

(b)

	T	U	
	2	**6**	*(20 x 3 = 60)*
x		**3**	*(60 + 10 = 70)*
		8	
	1		

(c)

	T	U
	2	**6**
x		**3**
	7	**8**
	1	

Short Multiplication 2

(a)

	H	T	U	
	3	**4**	**6**	
x			**9**	
		5	**4**	*(6 x 9)*

(b)

	H	T	U	
	3	**4**	**6**	
x			**9**	
		5	**4**	
	3	**6**	**0**	*(40 x 9)*

(c)

	H	T	U	
	3	**4**	**6**	
x			**9**	
		5	**4**	
	3	**6**	**0**	
+	**2**	**7**	**0**	*(300 x 9)*
	3	**1**	**1**	**4**
	1	1		

Short Division

(a)

	H	T	U
	1		
3	**3**	**7**	**5**

3 into 3 goes 1

(b)

	H	T	U
	1	**2**	
3	**3**	**7**	1**5**

3 into 7 goes 2 r1

(c)

	H	T	U
	1	**2**	**5**
3	**3**	**7**	1**5**

3 into 15 goes 5

Long Multiplication

(a)

	H	T	U	
		3	**2**	
	x	2	**6**	
		1	**2**	*(2 x 6 = 12)*
+	**1**	**8**	**0**	*(30 x 6 = 180)*
	1	**9**	**2**	*(32 x 6)*

(b)

	H	T	U	
		3	**2**	
	x	**2**	6	
		4	**0**	*(2 x 20 = 40)*
+	**6**	**0**	**0**	*(30 x 20 = 600)*
	6	**4**	**0**	*(32 x 20)*

(c)

	H	T	U	
		3	**2**	
	x	**2**	**6**	
	1	**9**	**2**	*(32 x 6)*
+	**6**	**4**	**0**	*(32 x 20)*
	8	**3**	**2**	*(32 x 26)*
	1			