

1. One way to work out a multiply fact is to draw a rectangle and count the squares.

Here are two identical rectangles, both are 3 squares high and 6 squares wide.

Depending how we count we either work out  $3 \times 6$  or  $6 \times 3$

“3 lots of 6” =  $3 \times 6 = \dots$



1	2	3	4	5	
7	8	9	10	11	
13	14	15	16	17	

“6 lots of 3” =  $6 \times 3 = \dots$

1	4	7	10	13	16
2	5	8	11	14	17

(a) Complete the speech bubbles and the multiply facts

A quicker way out to work out  $3 \times 6$  (or  $6 \times 3$ ) is to use a multiplication table.

There are two ways to work out this multiplication fact  the example shown below  
 the other way

“3 lots of 6”



“6 lots of 3” →

$\times$	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

(b) Complete these multiply facts

(i)  $4 \times 7 = \dots$

(ii)  $8 \times 9 = \dots$

(iii)  $5 \times 5 = \dots$

2. One way to work out a multiply fact is to draw a rectangle and count the squares.

Here are two identical rectangles, both are 4 squares high and 6 squares wide.

Depending how we count we either work out  $4 \times 6$  or  $6 \times 4$

“4 lots of 6” =  $4 \times 6 = \dots$

1	2	3	4	5	
7	8	9	10	11	
13	14	15	16	17	
19	20	21	22	23	


“6 lots of 4” =  $6 \times 4 = \dots$

1	5	9	13	17	21
2	6	10	14	18	22
3	7	11	15	19	23

(a) Complete the speech bubbles and the multiply facts

A quicker way out to work out  $4 \times 6$  (or  $6 \times 4$ ) is to use a multiplication table.

There are two ways to work out this multiplication fact  the example shown below

 the other way

“4 lots of 6”



“6 lots of 4” →

$\times$	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

(b) Complete these multiply facts

(i)  $5 \times 11 = \dots$

(ii)  $7 \times 6 = \dots$

(iii)  $8 \times 8 = \dots$

## Answers

1. (i) 28, (ii) 72, (iii) 25
2. (i) 55, (ii) 42, (iii) 64