Starting Point

1a. Match the calculation to the correct arrays.

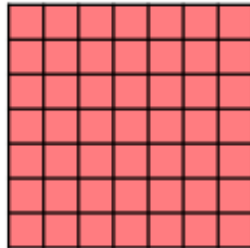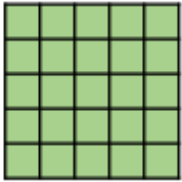5^2 (5 x 5) 7^2 (7 x 7) 2^2 (2 x 2)

VF

1b. Match the calculation to the correct arrays.
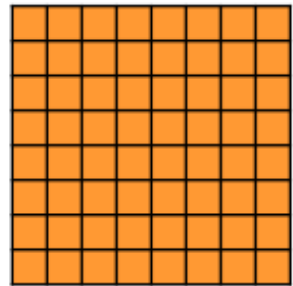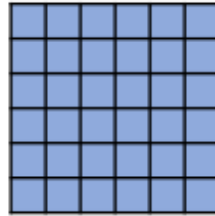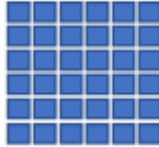
6^2 (6 x 6) 3^2 (3 x 3) 8^2 (8 x 8)

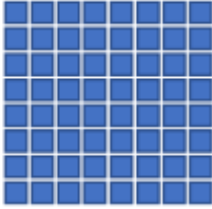

VF

2. Use <, > and = symbols to compare the calculations below.

A. + ◯ 47

6 x 6 = 6^2 4 x 4 = 4^2

B. – ◯ 60
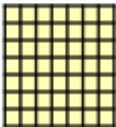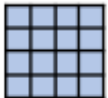
8 x 8 = 8^2 2 x 2 = 2^2

VF
HW/Ext
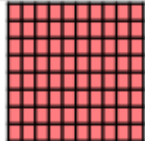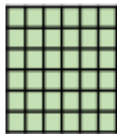
3a Complete the table below.

7^2		
$\underline{}^2$		

VF

3b Complete the table below.

$\underline{}^2$		64
6^2		

VF

Feeling Happy

1a Match the square numbers to the correct representations.

3^2 5^2 7^2

25

1b Match the square numbers to the correct representations.

12^2 8^2 4^2

144

2a Complete the number statements.

$2 =$

$2 =$

2b Complete the number statements.

$2 =$

$2 =$

3a Solve the following problem.

I think of a number. I square it and add 6. My answer is 15.
What was my number?

Use the array below to help you.

3b Solve the following problem.

I think of a number. I square it and add 15. My answer is 40.
What was my number?

Use the array below to help you.

4a Complete the table below.

$\_^2$	2 x 2	4
	4 x 4	
11^2	__ x __	
	__ x __	64
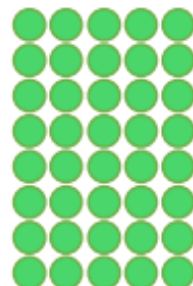
4b Complete the table below.

$\_^2$	5 x 5	
	9 x 9	
12^2	__ x __	
	__ x __	100

Hot Stuff

1a Match the calculations to the correct square numbers.

| nine squared | ten squared | eight squared |

| one hundred | sixty-four | eighty-one |

VF

1b Match the calculations to the correct square numbers.

| seven squared | twelve squared | eleven squared |

| one hundred and forty-four | one hundred and twenty-one | forty-nine |

VF

2a Calculate:

Three squared =

__ x __ = 81

__ x __ = 25

Two squared =

VF

2b Calculate:

Six squared =

__ x __ = 1

__ x __ = 16

Ten squared =

VF

3a . Complete the table below.

$\_\_^2$	__ x __	144
		49
		64
		9

VF

3b . Complete the table below.

$\_\_^2$	__ x __	81
		121
		100
		1

VF

4a Solve the following problems.

I think of a number. I square it and subtract 8. My answer is 41. What was my number?

I think of another number. I square it and add 12. The answer is 48. What was my number?
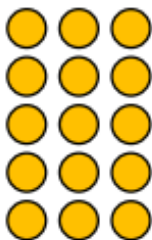
PS

4b Solve the following problems.

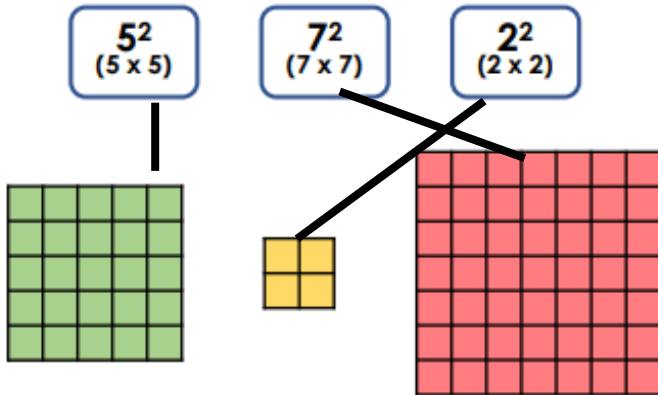I think of a number. I square it and add 11. My answer is 92. What was my number?

I think of another number. I square it and subtract 14. My answer is 107. What was my number?
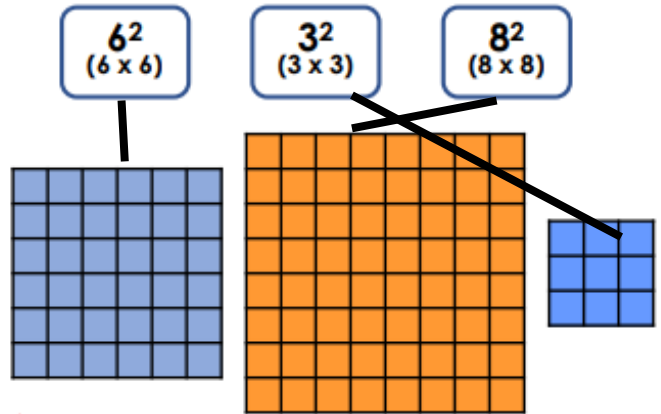
PS

Starting Point - Answers
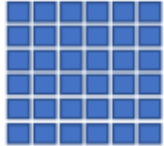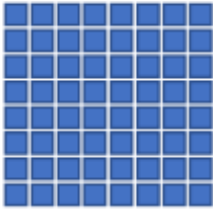
1a. Match the calculation to the correct arrays.

5^2 (5 x 5) 7^2 (7 x 7) 2^2 (2 x 2)

1b. Match the calculation to the correct arrays.

6^2 (6 x 6) 3^2 (3 x 3) 8^2 (8 x 8)

2. Use <, > and = symbols to compare the calculations below.

A. [ ] + [ ] (>) **47**

6 x 6 = 6^2 4 x 4 = 4^2

B. [ ] − [ ] (=) **60**

8 x 8 = 8^2 2 x 2 = 2^2
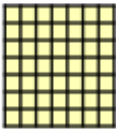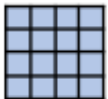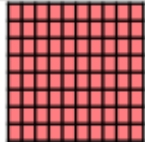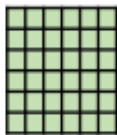
3a Complete the table below.

7^2		49
4^2		16

3b Complete the table below.

8^2		64
6^2		36

Feeling Happy - Answers

1a Match the square numbers to the correct representations.
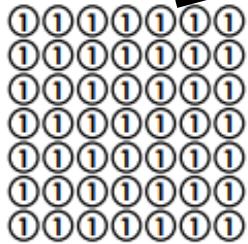
3^2 5^2 7^2

25

1b Match the square numbers to the correct representations.

12^2 8^2 4^2

144
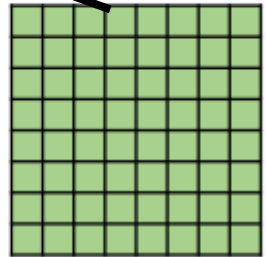
2a Complete the number statements.
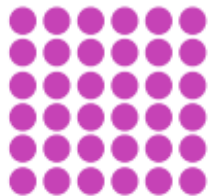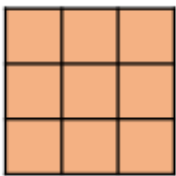
$3^2 =$ **9** $6^2 =$ **36**
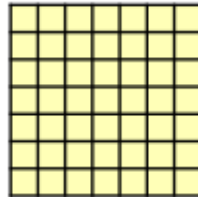
2b Complete the number statements.

$7^2 =$ **49** $5^2 =$ **25**
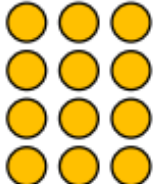
3a Solve the following problem.

I think of a number. I square it and add 6. My answer is 15. What was my number?

Use the array below to help you.

$15 - 6 = 9$

$3^2 = 9$ so my answer was 3

3b Solve the following problem.

I think of a number. I square it and add 15. My answer is 40. What was my number?

Use the array below to help you.

$40 - 15 = 25$

$5^2 = 25$ so my answer was 5

4a Complete the table below.

2^2	2 x 2	4
4^2	4 x 4	16
11^2	11 x 11	121
8^2	8 x 8	64

4b Complete the table below.

| 5^2 | 5 x 5 | 25 |
9^2	9 x 9	81
12^2	12 x 12	144
10^2	10 x 10	100

Hot Stuff - Answers

1a Match the calculations to the correct square numbers.

nine squared	ten squared	eight squared

one hundred	sixty-four	eighty-one

VF

1b Match the calculations to the correct square numbers.

seven squared	twelve squared	eleven squared

one hundred and forty-four	one hundred and twenty-one	forty-nine

VF

2a Calculate:

Three squared = 9

9 x 9 = 81

5 x 5 = 25

Two squared = 4

VF

2b Calculate:

Six squared = 36

1 x 1 = 1

4 x 4 = 16

Ten squared = 100

VF

3a Complete the table below.

12^2	12 x 12	144
7^2	7 x 7	49
8^2	8 x 8	64
3^2	3 x 3	9

VF

3b Complete the table below.

9 —^{2}	9 x 9	81
11^2	11 x 11	121
10^2	10 x 10	100
1^2	1 x 1	1

VF

4a Solve the following problems.

I think of a number. I square it and subtract 8. My answer is 41.
What was my number?

41 + 8 = 49; 7 x 7 = 49 so my number is 7

I think of another number. I square it and add 12. The answer is 48. What was my number?

48 - 12 = 36; 6 x 6 = 36 so my number is 6

PS

4b Solve the following problems.

I think of a number. I square it and add 11. My answer is 92.
What was my number?

92 - 11 = 81; 9 x 9 = 81 so my number is 9

I think of another number. I square it and subtract 14. My answer is 107.
What was my number?

107 + 14 = 121; 11 x 11 = 121 so my
number is 11

PS