Varied Fluency
Square Numbers

Developing

1a. $2^2 = 4$

2a. $2^2 = 4$, $3^2 = 9$, $4^2 = 16$, $5^2 = 25$, $6^2 = 36$

3a. $3^2 = 3 \times 3 = 9$, $5^2 = 5 \times 5 = 25$,
$7^2 = 7 \times 7 = 49$, $9^2 = 9 \times 9 = 81$

4a. $3^2 = 9$, $6^2 = 36$, $8^2 = 64$

Expected

5a. $5^2 = 25$

6a. 3 squared = 9, 11 squared = 121,
8 squared = 64, $7^2 = 49$, $5^2 = 25$, $6^2 = 36$

7a. 16, 36, 25, 9, 64

8a.

2^2	2 x 2	4
4^2	4 x 4	16
11^2	11 x11	121
8^2	8 x 8	64

Greater Depth

9a. $6^2 = 36$

10a. $3^2 + 5 = 14$, $11^2 - 10 = 111$, $7^2 + 3 = 52$,
$5^2 - 7 = 18$, $8^2 + 4 = 68$, $6^2 - 6 = 30$

11a. 16, 36, 225, nine, sixty-four, 169.

12a.

12^2	12 x 12	144
13^2	13 x 13	169
14^2	14 x 14	196
15^2	15 x 15	225

Varied Fluency
Square Numbers

Developing

1b. $3^2 = 9$

2b. $1^2 = 1$, $2^2 = 4$, $7^2 = 49$, $9^2 = 81$, $8^2 = 64$

3b. $6^2 = 6 \times 6 = 36$, $7^2 = 7 \times 7 = 49$,
$4^2 = 4 \times 4 = 16$, $8^2 = 8 \times 8 = 64$

4b. $5^2 = 25$, $7^2 = 49$, $9^2 = 81$

Expected

5b. $4^2 = 16$

6b. 2 squared = 4,12 squared = 144,
7 squared = 49, $10^2 = 100$, $8^2 = 64$, $1^2 = 1$

7b. 81, 121, 144, 49, 64, 100

8b.

3^2	3 x 3	9
5^2	5 x 5	25
7^2	7 x 7	49
12^2	12 x 12	144

Greater Depth

9b. $7^2 = 49$

10b. $1^2 + 3 = 4$, $12^2 - 5 = 139$, $10^2 - 4 = 96$,
$9^2 + 9 = 90$, $4^2 + 8 = 24$, $3^2 + 12 = 21$

11b. 81, 121, 144, forty-nine, 36, sixty-four, 400

12b.

13^2	13 x 13	169
14^2	14 x 14	196
15^2	15 x 15	225
20^2	20 x 20	400