Matching Squares and Square Roots

Explore how squaring a number and finding a square root are connected.

Name _____ **Date** _____

1 For each number, find its square in the **Squares** bank and its square-root expression in the **Square roots** bank. Write both matching letters in the boxes. Use each letter once in each bank.

Match the numbers

Write one letter in each box.

Numbers Find the square and the root			Squares Match each number to n × n	Square roots Match each expression to n
1	Sq ☐	Root ☐	A 36	A √25
2	Sq ☐	Root ☐	B 1	B √100
3	Sq ☐	Root ☐	C 81	C √4
4	Sq ☐	Root ☐	D 16	D √49
5	Sq ☐	Root ☐	E 100	E √1
6	Sq ☐	Root ☐	F 49	F √64
7	Sq ☐	Root ☐	G 4	G √9
8	Sq ☐	Root ☐	H 64	H √16
9	Sq ☐	Root ☐	I 25	I √81
10	Sq ☐	Root ☐	J 9	J √36

Think it through

Choose one number from the list. Write a multiplication sentence to show its square, then a square-root sentence to show how you get back to your starting number.

My number _____ **Its square** _____

Square-root sentence _____ **Starting number** _____