

Math Facts for the SHSAT

"Trick" for Squaring Numbers that end in "5"

Example: $15^2 =$

Step		
1.	Write "25." [$5^2 = 25$]	25
2.	Multiply the "number" (1) that precedes 5 by the number that follows 1 if you were counting, i.e., 2	$1 \times 2 = 2$
3.	Write that product, 2, in front of "25."	225

Example: $25^2 =$

Step		
1.	Write "25." [$5^2 = 25$]	25
2.	Multiply the "number" (2) that precedes 5 by the number that follows 2 if you were counting, i.e., 3	$2 \times 3 = 6$
3.	Write that product, 6, in front of "25."	625

Example: $35^2 =$

Step		
1.	Write "25." [$5^2 = 25$]	25
2.	Multiply the "number" (3) that precedes 5 by the number that follows 3 if you were counting, i.e., 4	$3 \times 4 = 12$
3.	Write that product, 12, in front of "25."	1225

Example: $105^2 =$

Step		
1.	Write "25." [$5^2 = 25$]	25
2.	Multiply the "number" (10) that precedes 5 by the number that follows 10 if you were counting, i.e., 11	$10 \times 11 = 110$
3.	Write that product, 110, in front of "25."	11,025