

Practice Sheets Answers

Square and cube numbers (mild)

1. The square numbers are:
4, 9, 16, 25, 36, 49, 64, 81, 100
2. $2^3 = 2 \times 2 \times 2 = 8$
 $3^3 = 3 \times 3 \times 3 = 27$
 $4^3 = 4 \times 4 \times 4 = 64$
 $5^3 = 5 \times 5 \times 5 = 125$

Challenge

$1^2 = 1$	$2^2 = 4$
$3^2 = 9$	$4^2 = 16$
$5^2 = 25$	$6^2 = 36$
$7^2 = 49$	$8^2 = 64$
$9^2 = 81$	$10^2 = 100$
$11^2 = 121$	$12^2 = 144$
$13^2 = 169$	$14^2 = 196$
$15^2 = 225$	

Square and cube numbers (hot)

1. $2^2 = 4$ ✓
2. $3^2 = 6$ x $3^2 = 3 \times 3 = 9$
3. $5^2 = 25$ ✓
4. $4^2 = 8$ x $4^2 = 4 \times 4 = 16$
5. $10^2 = 100$ ✓
6. $9^2 = 18$ x $9^2 = 9 \times 9 = 81$
7. $7^2 = 48$ x $7^2 = 7 \times 7 = 49$
8. $6^2 = 36$ ✓
9. $8^2 = 64$ ✓
10. $2^3 = 8$ ✓
11. $3^3 = 9$ x $3^3 = 3 \times 3 \times 3 = 27$
12. $5^3 = 125$ ✓
13. $4^3 = 64$ ✓
14. $7^3 = 21$ x $7^3 = 7 \times 7 \times 7 = 343$
15. $8^3 = 512$ ✓
16. $10^3 = 100$ x $10^3 = 10 \times 10 \times 10 = 1000$
17. $6^3 = 216$ ✓
18. $9^3 = 629$ x $9^3 = 9 \times 9 \times 9 = 729$

Challenge

$1^2 = 1$	$2^2 = 4$
$3^2 = 9$	$4^2 = 16$
$5^2 = 25$	$6^2 = 36$
$7^2 = 49$	$8^2 = 64$
$9^2 = 81$	$10^2 = 100$
$11^2 = 121$	$12^2 = 144$
$13^2 = 169$	$14^2 = 196$
$15^2 = 225$	$16^2 = 256$
$17^2 = 289$	$18^2 = 324$
$19^2 = 361$	$20^2 = 400$