

Using and Recognising Square and Cube Numbers

Answers

A. Complete the table.

1^2	1×1	1
2^2	2×2	4
3^2	3×3	9
4^2	4×4	16
5^2	5×5	25
6^2	6×6	36
7^2	7×7	49
8^2	8×8	64
9^2	9×9	81
10^2	10×10	100

B. Complete the table.

1^3	$1 \times 1 \times 1$	1
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
6^3	$6 \times 6 \times 6$	216
7^3	$7 \times 7 \times 7$	343
8^3	$8 \times 8 \times 8$	512
9^3	$9 \times 9 \times 9$	729
10^3	$10 \times 10 \times 10$	1000

C. Calculate the missing numbers.

a) $7^2 + 4^3 = \mathbf{113}$	b) $8^2 + 10^2 = \mathbf{164}$	c) $5^3 - 5^2 = \mathbf{100}$
d) $5^2 + \mathbf{8^2} = 89$	e) $\mathbf{9^2} - 8^2 = 17$	f) $3^2 \times 2^3 = \mathbf{72}$
g) $3^2 + \mathbf{4^2} = 5^2$	h) $6^3 \div 2^2 = \mathbf{54}$	i) $13^2 = \mathbf{169}$
j) $10^3 - 2^2 = \mathbf{996}$	k) $100^2 = \mathbf{10\ 000}$	l) $\mathbf{12^2} = 144$