Make sure you learn these spellings by Wednesday 16th December!

Remember to look, read, write, cover and check!

suggest

symbol

system

temperature

thorough

twelfth
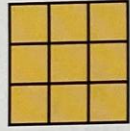
variety

vegetable

vehicle

yacht

9 Times Table

0	x	9	=	0
1	x	9	=	9
2	x	9	=	18
3	x	9	=	27
4	x	9	=	36
5	x	9	=	45
6	x	9	=	54
7	x	9	=	63
8	x	9	=	72
9	x	9	=	81
10	x	9	=	90
11	x	9	=	99
12	x	9	=	108

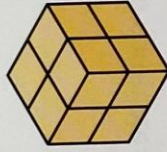# TARGET To use and understand square and cube numbers.

Examples

A square number is a number multiplied by itself. They make square patterns.

$3^2 = 3 \times 3 = 9$
3 squared = 9

A cube number is a number multiplied by itself and multiplied by itself again.

$2^3 = 2 \times 2 \times 2 = 8$
2 cubed = 8

A

Copy and complete.

1 $2^2 = \Box$

2 $10^2 = \Box$

3 $7^2 = \Box$

4 $5^2 = \Box$

5 $12^2 = \Box$

6 $\Box^2 = 81$

7 $\Box^2 = 1$

8 $\Box^2 = 36$

9 $\Box^2 = 121$

10 $\Box^2 = 64$

11 Copy and complete, continuing the pattern for the first six rows.

$1^2 = 1$
$2^2 = 1 + 3 = \Box$
$3^2 = 1 + 3 + 5 = \Box$
$4^2 = 1 + 3 + 5 + 7 = \Box$

B

Copy and complete.

1 $\Box^2 = 1600$

2 $\Box^2 = 3600$

3 $\Box^2 = 900$

4 $\Box^2 = 400$

5 $\Box^2 = 8100$

6 $\Box^3 = 125$

7 $7^3 = \Box$

8 $\Box^3 = 27$

9 $12^3 = \Box$

10 $\Box^3 = 1000$

11 Copy and complete this table for all cube numbers to 12^3.

Cube	Calculation	Answer
1^3	$1 \times 1 \times 1$ =	1
2^3	$2 \times 2 \times 2$ =	8
3^3	$3 \times 3 \times 3$ =	27
...	...	...

C

Copy and complete.

1 $\Box^2 = 250\,000$

2 $\Box^2 = 4900$

3 $\Box^2 = 40\,000$

4 $\Box^2 = 1\,000\,000$

5 $\Box^2 = 12\,100$

6 $20^3 = \Box$

7 $60^3 = \Box$

8 $100^3 = \Box$

9 $70^3 = \Box$

10 $15^3 = \Box$

11 Copy and complete this pattern for all square numbers to 20^2.

$0^2 = 0$
$1^2 = 0 + 1 = 1$
$2^2 = 1 + 3 = 4$
$3^2 = 4 + 5 = 9$
$4^2 = 9 + 7 = 16$

Add each successive odd number to the previous square number to find the next.