



Maths

Crack the Code with Factors, Multiples, Square Numbers and Cube Numbers

Which number?	Notes/Number	Letter
This number is a multiple of seven and two and is a factor of 28.	14	N
This number is a square number, a multiple of three and one more than a cube number.	9	I
This number is a prime number and a factor of 36.	3	C
When this number is squared, the answer is the largest square number in the list above.	5	E
This prime number is > 19 and < 29 .	23	W
This number is a multiple of five and three.	15	O
This multiple of nine is in between two prime numbers.	18	R
This number is the difference between 5^2 and 6^2 .	11	K

Using and Recognising Square and Cube Numbers

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

English

The Highwayman by Alfred Noyes

Answers

Metaphors:

- The wind was a torrent of darkness among the gusty trees.
- The moon was a ghostly galleon tossed upon cloudy seas.
- The road was a ribbon of moonlight over the purple moor.
 - His eyes were hollows of madness.
- The road was a gypsy's ribbon.

Similes:

- Dumb as a dog.
 - His hair like mouldy hay.
- His face burnt like a brand!
- The hours crawled by like years.
- Her face was like a light.
- Like a madman.
- Down like a dog.

Foundation Subject –

What did you find?

Which materials did you choose?