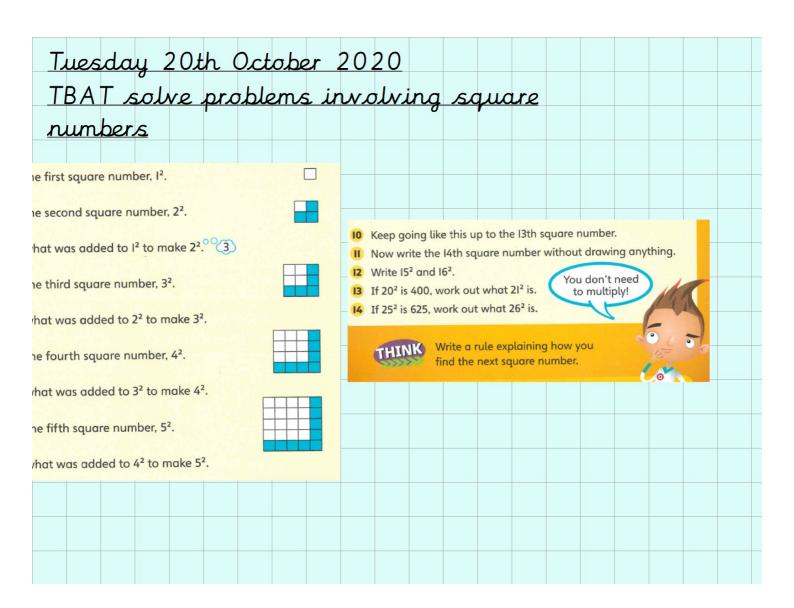


	9th October		
TDAT JEC	How many	use square n J little square	s make
	up th	e big square	s?
IA	there a qu	ick way of fi	nding out?
2×2	3×3		
		4×4	5×5

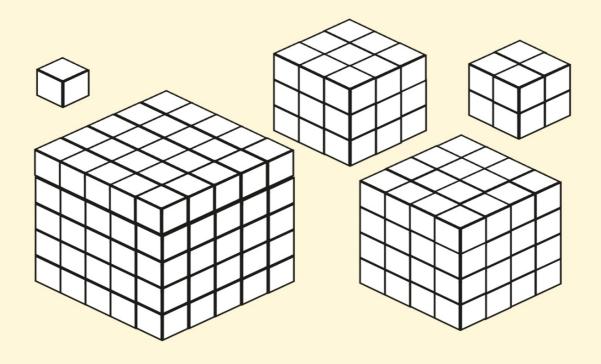
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	2 <sup>2</sup>	=	2	Ж	2	=	4								si	μια	rec	ı	
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							to	gethe	er?					-					
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										2 +	- 2 =	4							
														_					

Tuesday 20th October 2020	
TBAT solve problems involving square	
numbers	
Can you calculate 192 without using written	
multiplication?	
By the end of this lesson you should be	
able to!	

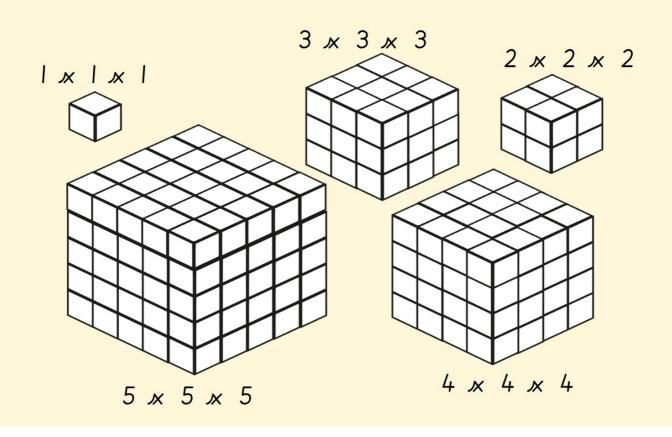


# Wednesday 21st October 2020 TBAT recognise and use cube numbers

What do you notice about these 3D shapes?



# Wednesday 21st October 2020 TBAT recognise and use cube numbers



## Wednesday 21st October 2020 TBAT recognise and use cube numbers

Cube number calculations can be shown using the mathematical symbol  $^3$ 

cubed

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

Calculate like this: 
$$2 \times 2 = 4$$
  
 $4 \times 2 = 8$ 

Record all of the cube numbers in your book up to  $12^3$ 

## Thursday 22nd October 2020 TBAT solve problems involving square and cube numbers

### Silver:

a) $7^2 + 4^3 =$	b) 8 <sup>2</sup> + 10 <sup>2</sup> =	c) 5 <sup>3</sup> - 5 <sup>2</sup> =
d) 5 <sup>2</sup> + = 89	e) 8 <sup>2</sup> = 17	f) $3^2 \times 2^3 =$
g) 3 <sup>2</sup> + = 5 <sup>2</sup>	h) $6^3 \div 2^2 =$	i) 13 <sup>2</sup> =
j) $10^3 - 2^2 =$	k) 100 <sup>2</sup> =	l)² = 144

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

# 

### Gold:

Which number?	Notes/Number	Letter
This number is a multiple of seven and two and is a factor of 28.		
This number is a square number, a multiple of three and one more than a cube number.		
This number is a prime number and a factor of 36.		
When this number is squared, the answer is the largest square number in the list above.		
This prime number is > 19 and < 29.		
This number is a multiple of five and three.		
This multiple of nine is in between two prime numbers.		
This number is the difference between 5 <sup>2</sup> and 6 <sup>2</sup> .		

### Friday 23rd October 2020

### Fluency Friday

### 1 x 11 = 11 2 x 11 = 22 3 x 11 = 33 4 x 11 = 44 5 x 11 = 55 6 x 11 = 66 7 x 11 = 77 8 x 11 = 88 9 x 11 = 99 10 x 11 = 110 11 x 11 = 121 12 x 11 = 132 Timestables.co.uk

Speed table practice!