Not cubed       Cubed         Over       00         100       100         or       12         2       The table shows squared and cubed numbers. Complete the table.         Explain the relationships you can see between the numbers. $\frac{1}{2}$ $\frac{3}{2}$ <	1		odd and 5 n below.		There is more than one possibility for each cell. My suggestion is to write down the cubed numbers first			
100       100         100       07         less       100         2       This table shows squared and coded numbers. Complete the table. Explain the relationships you can see between the numbers.         11       11         12       11         13       12         14       14         15       12         16       14         17       14         18       14         19       14         19       14         19       14         11       14         11       14         12       14         13       14         14       14         19       14         11       14         12       14         13       14         14       14         15       15         15       16         16       17         17       16         16       16         17       17         17       16         18       16         19       15         19       16			Not cube	d	$1^3 = 1 \times 1 \times 1 = 1$			
or less       or less       A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?       Have a look at the square and the cube numbers. I'm happy to explain this verbally - and no-one is listening or is there to listen to your explanation, at least think about it.         3       A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?       minimum: Come up with two solutions. I'm: Find the number that lies halfway between 1000. In order for one number to the 150 greater than q. Calculate the values of p and q.         5       Exchmosing digits       + 1 + 1 + 1 = 201         6       + 1 + 1 + 1 = 201         6       + 1 + 1 + 1 = 201         7       Here is a number settence 2 + 27 > 85         Crobe all the number settence correct. 3 3 40 50 60 70       6         7       - 1 Here was numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee corde. Get maka leng numbers, geter than 500. That can a made sumpteee								
2       This table shows squared and cubed numbers. Complete the table. Explain the relationships you can see between the numbers.       Have a look at the square and the cube numbers.         3       3 × 3       3 × 3       27         6 <sup>3</sup> 1 × 4       4 × 4       1         9 <sup>2</sup> 1 × 4       4 × 4       1         9 <sup>2</sup> 1 × 4       1       8         9 <sup>2</sup> 1 × 4       1       1         3       A and B stand for two different whole numbers. A + A + A + B + B = 30       minimum:         What could be the values of A and B?       Tip: Find the number that lies halfway between 1000. In order for one number to be 150 greater than q.         Calculate the values of p and q.       Tip: Find the number that lies halfway between 1000. In order for one number the halfway point         5       Each missing digits       A bit of reasoning and then double-checking.         6       Here is a number sentence.       2       4         7       Here is a number study tations.       A bit of reasoning and then double-checking.         7       Here		or						
Explain the relationships you can see between the numbers. $1 \\ 3 \times 3 \\ 25 \\ 5^2 \\ 1 \\ 4 \times 4 \\ 25 \\ 5^2 \\ 1 \\ 4 \times 4 \\ 1 \\ 2 \\ 5 \\ 2^2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	2	This table sh	nows squared and	cubed number	Have a look at th	e sauare and the cube		
a       25       53       a       a       b       a       b       a       b       a       a       b       a	2	Explain the r			n the numbers.	i	numbers.	
$6^2$ $6 \times 6 \times 6$ $4 \times 4$ $4^3$ $3^2$ $4 \times 4$ $3^2$ $4 \times 4$ $3^2$ $4 \times 4$ $3^2$ $4 \times 4$ $3^2$ $4 \times 4 + 4 + 8 + 8 = 30$ What could be the values of A and B?       Tip: Find the number that lies halfway between 1000. In order for one number 1 be 150 greater than q. Calculate the values of p and q. $5$ Each missing digts. $1^{10}$				-		27	no-one is listenin	no-one is listening or is there to listen to
3       A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?       minimum: Come up with two solutions.         4       p and q stand for two numbers p + q = 1000. p is 150 greater than q. Calculate the values of p and q.       Tip: Find the number that lies halfway between 1000. In order for one number t be 150 greater than the other, it would have to be removed by half of that from the halfway point         5       Each missing digts.       A bit of reasoning and then double- checking.         6       Here is a number sentence.       ?         ?       + 27 > 85         Circle all the numbers below that make the number sentence correct.       ?         *       2       4         8       8         Wite all be three digt numbers, greater than 500, that can be made using these cards.       Work systematically.		6 <sup>2</sup>			6 x 6 x 6		your explanation,	
3       A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?       minimum: Come up with two solutions.         4       p and q stand for two numbers $p + q = 1000$ . p is 150 greater than q. Calculate the values of p and q.       Tip: Find the number that lies halfway between 1000. In order for one number to be 150 greater than the other, it would have to be removed by half of that from the halfway point         5       Each missing digt. Image: the the missing digt.       A bit of reasoning and then double- checking.         6       Here is a number sentence.       7 + 27 > 85         7       Here are some digt cards.       Work systematically.         7       Here are some digt cards.       Work systematically.			4 x 4	4 <sup>3</sup>				
3       A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?       minimum: Come up with two solutions.         4       p and q stand for two numbers $p + q = 1000$ . p is 150 greater than q. Calculate the values of p and q.       Tip: Find the number that lies halfway between 1000. In order for one number t be 150 greater than the other, it would have to be removed by half of that from the halfway point         5       Each missing digits       A bit of reasoning and then double- checking.         6       Here is a number sentence.       ?       + 27 > 85         Circle all the numbers below that make the number sentence correct.       30       40       50         7       Here are some digit cards.       Work systematically.       Work systematically.         7       Here are some digit cards.       2       4       6         9       wite all the three-digit numbers 500, that can be made using these cards.       One has been done for you.       Work systematically.		92				8		
A and B stand for two different whole numbers. A + A + A + B + B = 30 What could be the values of A and B?Come up with two solutions.4 p and q stand for two numbers $p + q = 1000$ . p is 150 greater than q. Calculate the values of p and q.Tip: Find the number that lies halfway between 1000. In order for one number t be 150 greater than the other, it would have to be removed by half of that from the halfway point5Each missing digits in this sum is a 9 or a 1 Write in the missing digits.A bit of reasoning and then double- checking.6Here is a number sentence.? 		,						
p and q stand for two numbers $p + q = 1000$ . p is 150 greater than q. Calculate the values of p and q.between 1000. In order for one number to be 150 greater than the other, it would have to be removed by half of that from the halfway point5Each missing digit in this sum is a 9 or a 1 Write in the missing digits.A bit of reasoning and then double- checking.6Here is a number sentence.?+ 27 > 85Circle all the numbers below that make the number sentence correct.?30405060707Here are some digit cards.?466Write all the three-digit numbers, greater than 500, that can be made using these cards.Work systematically.Work systematically.	3	A + A + A	+B+B=30	)		o solutions.		
Write in the missing digits. Write in the missing digits. Write in the missing digits. Write in the missing digits. 2 + 27 > 85 Circle all the numbers below that make the number sentence correct. 30 - 40 - 50 - 60 - 70 Here are some digit cards. Work systematically. Work systematically.	4	p is 150 gr	eater than q.	-	between 1000. In be 150 greater the have to be remove	order for one number to an the other, it would ed by half of that from		
6       Here is a number sentence.         ? $+ 27 > 85$ Circle all the numbers below that make the number sentence correct. $30$ $40$ $50$ $60$ $70$ 7       Here are some digit cards.       Work systematically.         2       4       6       6         Write all the three-digit numbers, greater than 500, that can be made using these cards.       One has been done for you.	5			ra <b>1</b>		g and then double-		
0 $?$ + 27 > 85         Circle all the numbers below that make the number sentence correct. $$ 30       40       50       60       70         7       Here are some digit cards.         2       4       6       6         Work systematically.         Work systematically.		Ĥ	+					
Circle all the numbers below that make the number sentence correct. 30 40 50 60 70     7 Here are some digit cards.   2 4 6     Work systematically.   Work systematically.	6	Here is a numb	er sentence.	_				
Image: Work systematically.         T       Here are some digit cards.         Q       4       6       6         Write all the three-digit numbers, greater than 500, that can be made using these cards.       Work systematically.         One has been done for you.       Use of the systematical systematically.			?	+ 27 > 3				
7     Here are some digit cards.     Work systematically.       2     4     6       Write all the three-digit numbers, greater than 500, that can be made using these cards.     One has been done for you.		Circle <b>all</b> the nu	umbers below that ma	ke the number se				
2     4     6     6       Write all the three-digit numbers, greater than 500, that can be made using these cards.     One has been done for you.		Ŷ	30 40	50 60				
cards. One has been done for you.	7	Here are som		6	Work systematica	lly.		
One has been done for you.			hree-digit numbers, gre	ater than 500, that	can be made using t	these		
		One has beer	n done for you.					
626		<sup>نو</sup> ري 626						

## Answers on the next page

	odd and 5 n below.	even num	ibers in the	9			Possible cube numbers
Not cubed Cubed							to use:
				-			8, 27, 64, 125, 216,
Over 100							343, 512, 729, 1,000
100				-			545, 512, 725, 1,000
or							
	east one nui						
	e shows square he relationship				e table.		
	3 x 3		33		27		
2		25	5 <sup>3</sup>				
6 <sup>2</sup>	4 x 4		4 <sup>3</sup>	6 x 6 x 6			
	4 X 4		4		8		
9 <sup>2</sup>							
$\Delta$ and	B stand	l for ty	vo diff	erent w	hole numb	ers	The sum of $B + B$ will always be even. Therefore, A
	A + A + ]					C15.	has to be an even number because if A was odd, $A +$
	could be			of A an	d B?		A + A would be odd.
							Possible answers:
							A = 2 $B = 12$
							$A = 4 \qquad B = 9$
							$A = 6 \qquad B = 6$
							$A = 8 \qquad B = 3$
Each mi	issing digit in	this sum i:	sa <b>9</b> or a 1				A = 10 $B = 0Your number sentence has to include these numbers:$
Write in	the missing (	digits.					Tour number sentence has to include these numbers.
			+		+	= 201	99 11 91
Here	is a numbe	r senten	ce.				You should have selected 60 and 70.
							If you haven't, I'll come and find you and tell you in
				? +	27 > 85		person.
Circle	<b>all</b> the nur	nbers be	low that r	make the	number sente	nce correct.	
	Û.	30	40	50	60	70	
Her	e are some o	ligit cards.				-	624
						)	642
		2		• (	6 6	J	646
Writ card		ee-digit nu	ımbers, <b>gr</b> ı	eater than	500, that can be r	nade using these	662 664
One	e has been di	one for you	u.				
· •							
~	<b>^</b>						
62	D						
_		C	-		1000		425 and 575
				bers p -	+ q = 1000.		
	50 great			ad a			
	late the	values	orpai	nu q.			