1	Tahil has 32 football cards that he is giving away to his friends.	
	He shares them evenly.	
	How many friends could Tahil have?	
2	Use the clues to work out the number:	
	 It is greater than 10 It is an odd number It is not a primer number It is less than 25 It is a factor of 60 	
3	Clare's age is a multiple of 7 and less than a multiple of 8	The answers are 21 or 77. I don't understand the question with those answers.
	How old it Clare?	Can one of you explain it to me? Or do you agree with me that this is an idiotic question? If so, why is
	Is this the only possibility?	it impossible to answer?
4	Nancy is double her sister's age.	List the multiples of 7 between 20 and 50 Which one is double of the other?
	They are both older than 20 and younger than 50	
	They are both multiples of 7	
	Work out their ages.	
5	Train starts running from Leeds to York at 7am. The last trains leaves at midnight.	If you can't work it out mathematically, you could create a timeline and mark the time intervals of 5 and 12 minutes. Then you can see how often they
	Platform 1 has a train leaving from it	overlap in an hour.
	every 12 minutes. Platform 2 has one leaving from it every 5 minutes.	Then work out how many hours there are in which trains are leaving
	How many times in the day would there be a train leaving from both platforms at the same time?	
6	Use symbols ≤,≥ or = to make	these statements correct
	3 cubed	S squared
	8 squared 4	cubed
	11 squared 5	cubed
7	The sume of two prime numbers is 3	6.
7	.)	6.

Answers on the next page

1	T. I. I. T. C. C. I. II I I I.	
1	Tahil has 32 football cards that he is giving away to his friends.	1, 2, 4, 8 or 16 friends.
	He shares them evenly.	
	How many friends could Tahil have?	
2	Use the clues to work out the number:	15
	 It is greater than 10 It is an odd number It is not a primer number It is less than 25 It is a factor of 60 	
3	Clare's age is a multiple of 7 and less than a multiple of 8	21 or 77
	How old it Clare?	
	Is this the only possibility?	
4	Nancy is double her sister's age.	21 or 77
	They are both older than 20 and younger than 50	
	They are both multiples of 7	
	Work out their ages.	
5	Train starts running from Leeds to York at 7am.	Pla hav the eve eve 18 18 mid will
	The last trains leaves at midnight.	Platform 1 and have a train lethe same time every hour at Therefore the 18 times from midnight whe will leave at b platform 1 and platform 1 and times from the will leave at b
	Platform 1 has a train leaving from it	n 1: trair trair our our trair our trair
	every 12 minutes. Platform 2 has one leaving from it every 5 minutes.	and 2 will leaving a me once at o'clock. here will born 7am to hen a trair t both and 2
	How many times in the day would there be a train leaving from both platforms at the same time?	Platform 1 and 2 will have a train leaving at the same time once every hour at o'clock. Therefore there will be 18 times from 7am to midnight when a train will leave at both platform 1 and 2
6	Use symbols ≤,≥ or = to make these statements correct	3 cubed = 3 x 3 x 3 = 3 ³ = 27 6 squared = 36
	3 cubed 6 squared	8 squared = 64
	8 squared 4 cubed	= 4 cubed = 64
	11 squared 5 cubed	11 squared = 121 5 cubed = 125
7	The sume of two prime numbers is 36.	5 and 31
	Which numbers are they?	7 and 29 13 and 23
	ext: Find all possibilities.	17 and 19