ANSW				VERS	
YEAR 6	WEEK 5	THEME: ENVIRONN	IENT	Date: Wednesday 6 th May	
МАТНЅ					
Bronze Possible answ 201, 203, 204 240,241, 243 260,261,263, Thinking proc H T Ones Hundreds and	vers: 4, 206, 207, 208, 209 , 246, 247,248, 249 264, 267, 268, 269 cess:	so could be numbers with	Gold: Answe Thinki Squar So 1 8 is a 1	er: 16 ng process: e numbers less than 9 ² 4 9 16 25 36 49 64 factor 4 9 16 25 36 49 64	
0,2,4,6,8 in H and T) Tens digit less than 8 (so now only 0,2,4,6 for tens) Less than 270, hundreds digit is even and three digit (only			Multiple of two (still 16 and 64) At least one of my digits is more than 5 (still 16 and 64) Not a multiple of 5 (still 16 and 64)		
2 in hundreds and 0,4,6 in tens. Not 2 in tens as no digits are the same and hundreds has to be 2) Ones digit not 5 (no 5s in ones column but other odd numbers allowed.			Subtract three and I am odd (16-3=13, 64-3=61) The sum of my digits is less than 8 64 6+4 = 10 x 16 1+ 6= 7 ☑		
Silver Answer: 72 Thinking process: These clues give you upper and lower limits on size. Less than 90 and more than 70 70< x>90			Platinum Answer: 64 Thinking process: Combine two clues to get an idea of how large the number could be.		
71 72 73 74 81 82 83 84	72 73 74 75 76 77 78 79 80 82 83 84 85 86 87 88 89		So 1 4 9 16 25 36 49 64 81 100 121		
Even 71 72 73 74 81 82 83 84 Tens digit is c	en 72 73 74 75 76 77 78 79 80 82 83 84 85 86 87 88 89 ns digit is odd 72 73 74 75 76 77 78 79 80 82 83 84 85 86 87 88 89 ns is greater than ones 2 74 76 78		More than product of 7 and 8 (so 7 x 8 =56) So $\frac{1}{4}$ 9 $\frac{16}{25}$ $\frac{25}{36}$ $\frac{49}{49}$ 64 81 100 121 Four is one of my factors 64 $\frac{81}{100}$ $\frac{121}{121}$ Sum of my digits is not a square number 64 $\frac{6}{4}$ $\frac{4}{4}$ = 10 (not square) 100 $1+0+0=1$ (which is square)		
71 72 73 74 81 82 83 84 Tens is greate 72 74 76					
Round me to 72 74 76 Digits add to	nearest 10 to get 70 odd number				
72 7+2 = 9 74 7+4 =11 Count up in fours from 60 to get to me 60, 64, 68, 72, 76 72⊡					