

Golf!

Let's play Golf!

To introduce the game, we will start with a practice hole - 501 metres, par 5.

Choose a starting digit – 5, say. For each step, we can add, subtract or multiply by any **digit**. Get an answer of 501 in as few steps as possible. Par for this hole is 5 “shots”.

Example:		
Step	1	$5 \times 9 = 54$
	2	$54 \times 5 = 270$
	3	$270 \times 2 = 540$
	4	$540 - 9 = 531$
	5	$531 - 9 = 522$
	6	$522 - 9 = 513$
	7	$513 - 9 = 504$
	8	$504 - 3 = 501!$
I took 8 “shots” to hit 501. That is 3 over par. Can you do any better:		
a.	using 5 as your starting number?	
b.	using another number as the starting number?	

Copy the golf score card below into your exercise book. You choose the starting digit for each hole. For each step, you can add, subtract or multiply by any digit. Can you break par? What is the lowest score you can shoot on this course?

You should show your working for each answer.

Hole	Length (metres)	Par	Starting number	Score
1	424	4		
2	165	3		
3	521	5		
4	368	4		
5	456	4		
6	201	3		
7	287	4		
8	825	5		
9	332	4		
Total				