



### Archer Skill Level

Did you know ArcherySuccess automatically calculates your archer skill level when you score or plot, indoor or target rounds?

An archer's skill level is a number, calculated using a formula developed and published in scientific papers, by Dr James Park. The formula uses parameters such as target scoring zones, distance to target, size of target face and arrow-shaft diameter.

### How to use the Archer Skill Level

The skill level calculation takes into account distance to target and target size, which means with the calculated skill level, you can compare your shooting performance across different rounds, even when those rounds were shot at different distances and different target faces.

The skill level is also useful in times of social distancing. Archers can train at home shooting shorter distances.

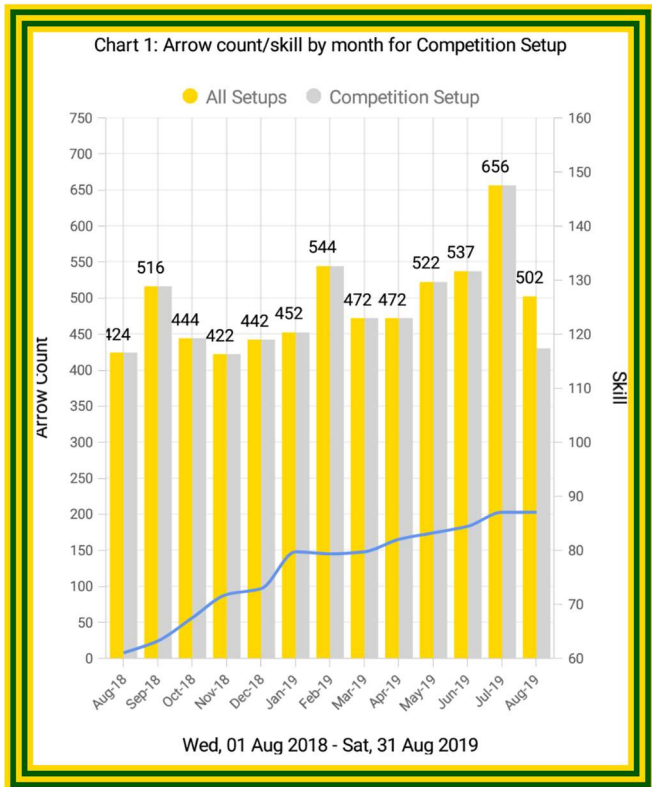


Figure 1: Arrow count / skill level by month per gear setup

Distance #1: 50m (80cm 6-Ring WA Target)									
End	1	2	3	4	5	6	Avg.	Total	Score
1	X	X	X	10	10	9	9.83	59	59
2	X	X	10	10	10	9	9.83	59	118
3	10	10	10	9	9	9	9.5	57	175
4	X	X	10	10	9	9	9.67	58	233
5	X	X	X	10	10	10	10	60	293
6	X	X	10	10	10	9	9.83	59	352

Distance #1 Skill: 121.8						
Xs	10s	9s	Arrow Avg.	Avg. End	Score	Gold
12	16	8	9.78	58.67	352	100%

Figure 2: Skill level displayed on scorecard

To simulate long distance rounds at shorter distances, use a smaller target face and try to match the skill level you normally shoot at longer distances. ArcherySuccess has various short distance rounds. See ArcherySuccess.com for target faces.

As the skill level is a number calculated to reflect the skill of an individual archer it can be used to compare and rank archers in an archery team. In fact, Archery Australia use archer skill levels for their national ranking list. It is also possible to predict an archer's score for a specific round, based on their current skill level.

ArcherySuccess reports your skill level and arrow volume in a graph (Fig 1), which might help you notice trends.

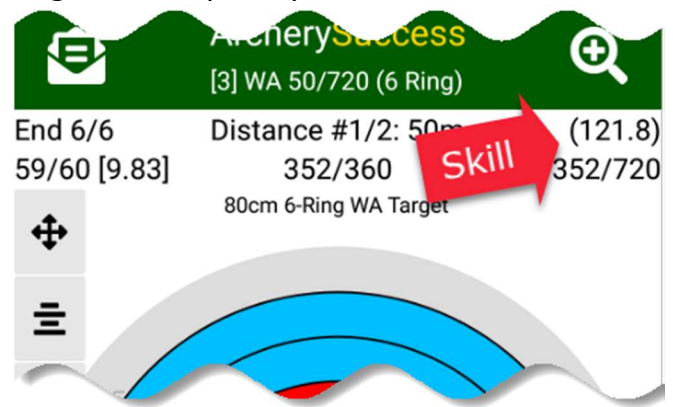


Figure 3: Skill level displayed on plot screen

### What is your Archer Skill Level?

ArcherySuccess displays your skill after the word "Skill" (Fig 2) or between "("" (Fig 3) on scorecards and reports.