



# England 5 v 5 Brazil



After extra time. Who will take the penalties?

How many possible scores could there have been during the game?

Well there are a lot of possibilities.

To start with the score must have been:           0 – 0  
Then England could have scored making it:        1 – 0  
Or Brazil could have scored making it:            0 – 1



Helpful tip:

Firstly work out all the possible scores up to a score of 1 – 1.

Then work out all the possible scores leading up to a score of 2 – 2

You could record your results in a table and then summarise like this:

Result	Total number of possible scores
0 - 0	1
1 - 1	4
2 - 2	
3 - 3	
4 - 4	
5 - 5	

Can you see any patterns? How did penalties go?

# World Cup Final

Maths worksheets from [mathsblog.co.uk](http://mathsblog.co.uk)

Possible logical arrangement of answers: there are other approaches

0 – 0

0 – 1

1 – 0

1 – 1 4 possible scores

2 – 0

0 – 2

2 – 1

1 – 2

2 – 2 9 possible scores

3 – 0

0 – 3

1 – 3

3 – 1

3 – 2

2 – 3

3 – 3 16 possible scores and so on.....

Note: square numbers

Result	Total number of possible scores
0 - 0	1
1 - 1	4
2 - 2	9
3 - 3	16
4 - 4	25
5 - 5	36