 **At the Races Maths Challenge**

 **Task 1:**

* Step 1 – Choose a horse
* Step 2 – Complete 2 races

1st Race Horse Number \_\_\_\_\_\_\_\_\_\_\_\_

2nd Race Horse Number \_\_\_\_\_\_\_\_\_\_\_\_

 **Results Race 1 Results Race 2**

**Task 2**:

Find the probability of the following:

1. Scoring 2
2. Scoring 3
3. Scoring 4
4. Scoring 5
5. Scoring 6
6. Scoring 7
7. Scoring 8
8. Scoring 9
9. Scoring 10
10. Scoring 11
11. Scoring 12

This is a way of recording the scores when rolling two dice called a sample space diagram.



**HINT** Number of outcomes wanted

 Total number of outcomes

**Task 3**:

Fill in missing words on the probability scale.

Unlikely Certain Impossible Likely Evens

Now place the letters from Task 2 on the scale in the correct place.

**HINT** : ½ = 18/36 = 0.5

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**GOLD CUP Race**

3rd Race Horse Number \_\_\_\_\_\_\_\_\_\_\_\_

**Results Race 3**

**HINT:**

Use Task 2 and Task 3 to help you

Give a reason for your choice in the final race.

I chose this horse because…