Survivor Series Level 3
Year 5 and 6 students.

Survivor Series 2017   Level 3

For Year 5 and Year 6 students.

Curriculum level 3.

What to do.   For students.

1.   You can work with a friend or two friends!
        Teams can be different each day.

2.   Do the tasks and enter your answers in your maths book and show your
        teacher.

3.   If you are right you will get the next task.

4.   If you are wrong, answer the task again.

5.   When you have finished each day you will get a
        code word.

6.   At the end of the week you will have 5 code words.
        Put them together and this will tell you where your
        school's Maths Week treasure is.

7.   Good luck !

Tuesday: Round-Robin Tournaments.

Survivor Series   **Level 3**
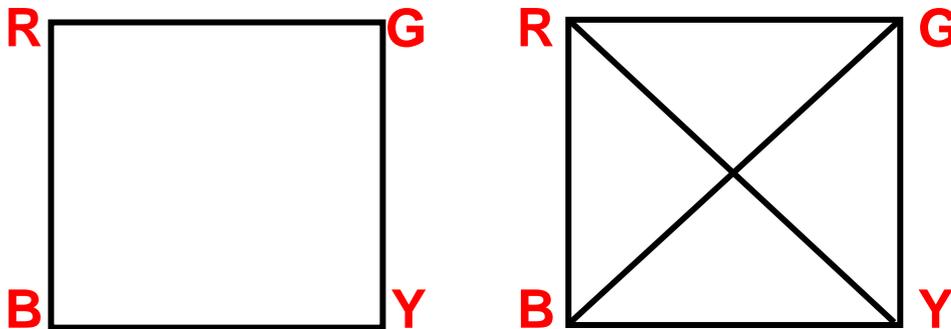**For Year 5 and Year 6 students**   **Curriculum Level 3**

Round-Robin tournaments are competitions
where every team plays every other team.

Imagine a tournament which has four teams.
The teams are named
Reds, Blues, Greens, Yellows.
Each team is to play every other team.
What are the total number of games that would need to be played?

To answer this, notice there are 4 teams.
Arrange these four teams at the corners of a square.
Then draw lines to all other points on the shape.
These are the games that need to be played for the round-robin.

The lines represent the games to be played.
Count them and there are 6 games.

B plays R	R plays G	G plays Y
B plays G	R plays Y	
B plays Y		

Task One.   Football.

In Group A of the 2017 FIFA Under 20 World Cup
Football finals, the teams are France, Vietnam,
Honduras, Senegal, New Zealand.
Each team plays every other team once only. This is a
Round-Robin competition.
How many games will there be?

Task Two.   Netball.

In the 2017 New Zealand Netball Championship there are 6 teams.
They play in a Round-Robin type competition.
How many games will there be in one complete round?
List out the games that would need to be played.

Task Three.   Table Tennis

In a Round–Robin Table Tennis competition there are seven players.
How many games will there be?

Task Four.   Hockey.

In a Round–Robin Hockey competition there are eight teams.
How many games will there be?

Task Five.   Number Table.

Mathematicians like to put their results into tables like this one. Complete the
table for Round- Robin Competitions.

Number of teams.	Number of games.
4	6
5	
6	
7	
8	
9	

Look at the table and work out how many games there would be for a Ten
Team Round-Robin Competition.

Task Six.   Super Rugby.

In the Super Rugby Competition there are 18 teams.
If the competition was a Round-Robin competition how many matches would there be?