

Opening Ceremony

Welcome to Rye Community Primary School's Sports Week!

When the teams gather for the first time, it's traditional for them to fly their flags at the opening ceremony.

Use the clues each time to work out how many teams there are.

Note: There are too many flags on each one so take care not to do the same flag more than once!



Did you know...?

There are 5 rings on the Olympic flag, coloured red, yellow, green, blue and black. They use these colours because at least one of these colours is on every country's flag in the world.

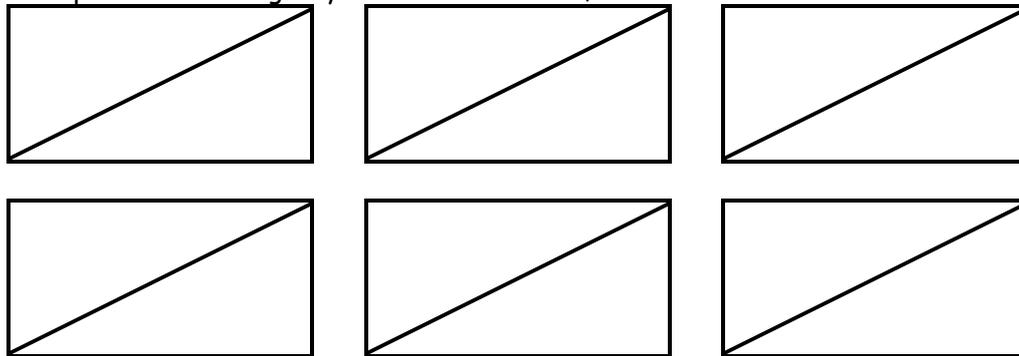
Problem 1:

Please welcome to the stadium the first teams!

Their flags are made up of just two colours, **red** and black.

Colour the flags to work out how many teams there are.

Both parts of the flag may be the same colour, but no teams can have the same flag!



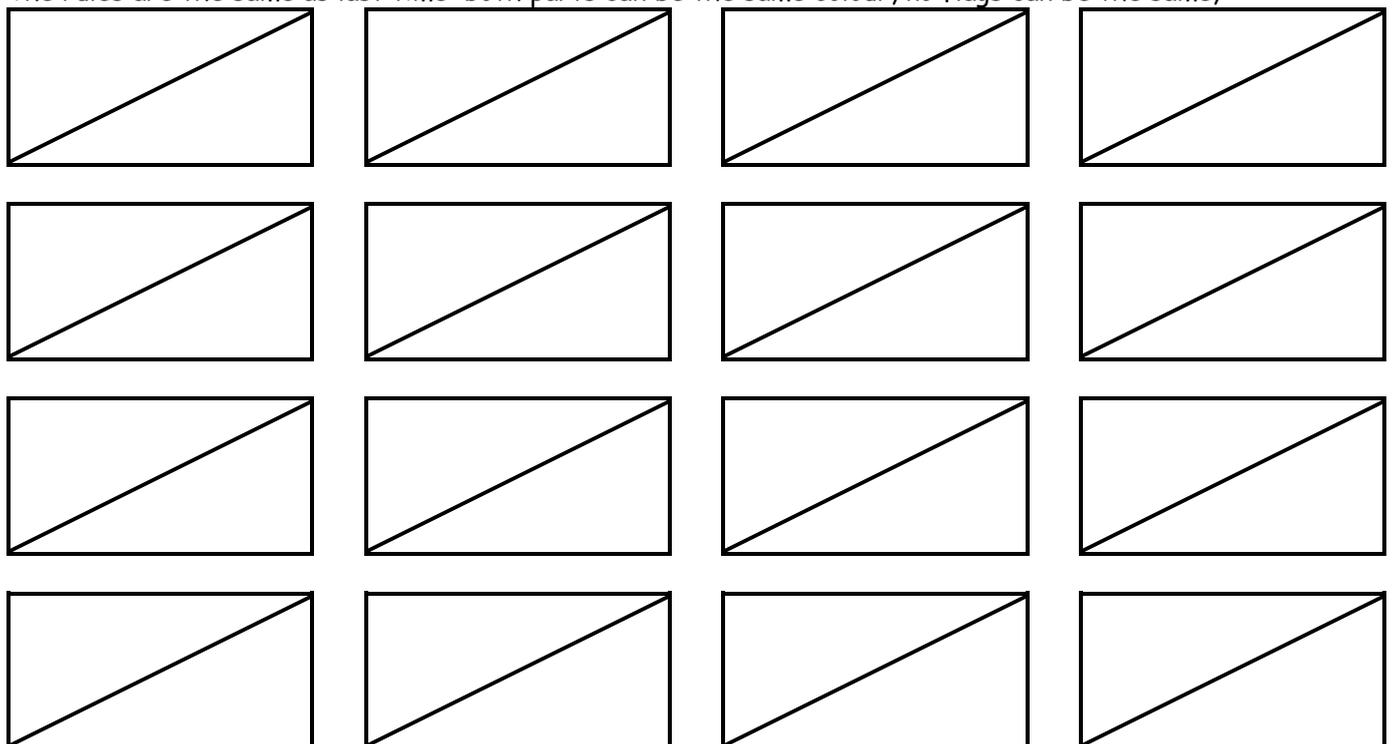
Problem 2:

Goodness me, wasn't that exciting?! But wait one moment; I think I can see the next teams. Yes, they're definitely here!

This time, their flags are made up of three colours: **blue**, **yellow** and **green**.

Again, colour the flags to work out how many different teams there are this time.

The rules are the same as last time: both parts can be the same colour, no flags can be the same,



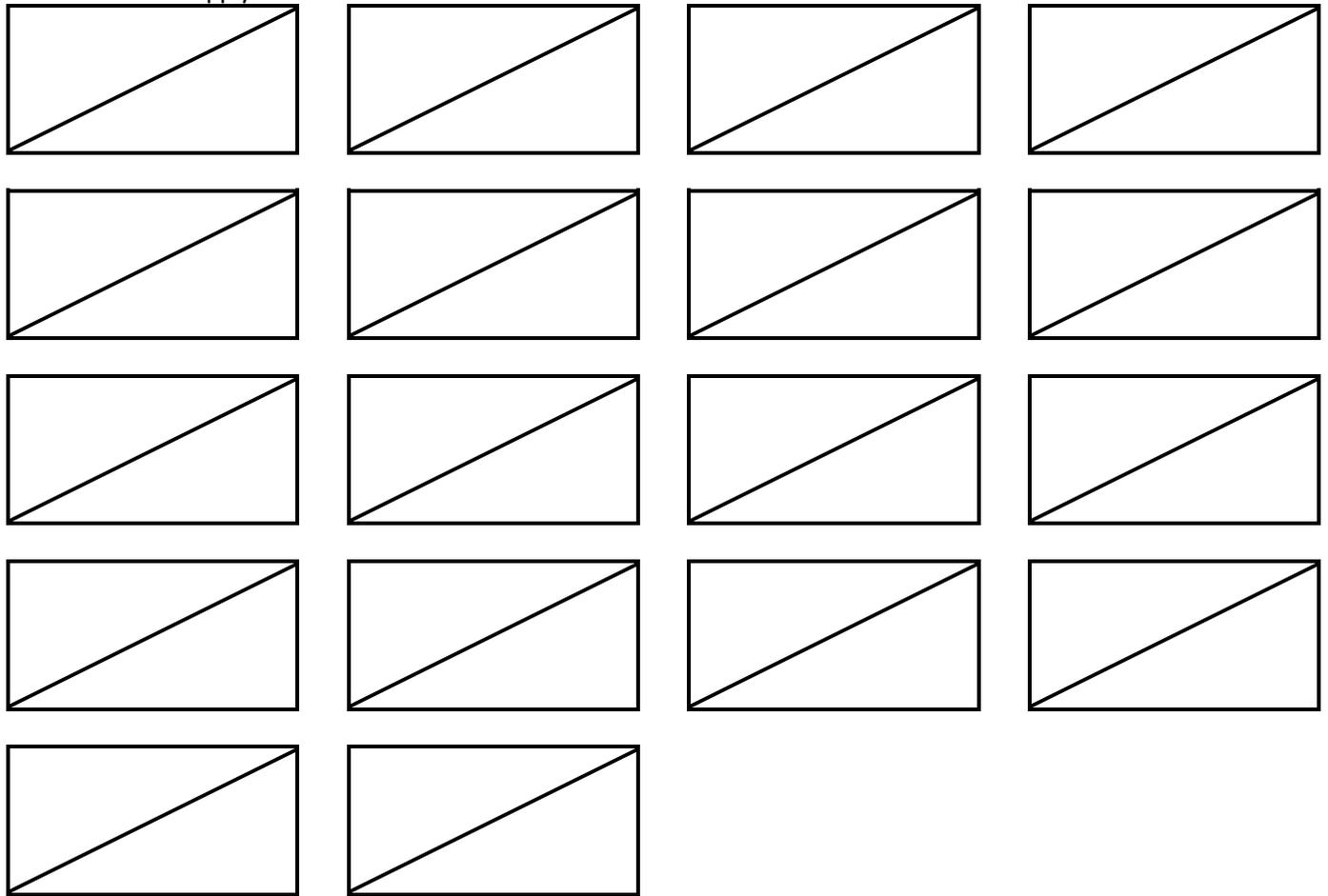
Problem 3:

I don't know about you, but I don't think I can bear the excitement.

But wait... here we go again, here come the third set of teams!

This time, their flags are made up of four colours: red, blue, yellow and green.

The same rules apply!

Problem 4

You've guessed it, the next teams are coming and they will have four colours on their flags:

red, black, blue, yellow and green.

Wait a minute! This is a maths challenge, not colouring in!

So, if you look back and count how many flags there were for each set of colours, you might see there's a sneaky pattern.

Here's a clue... for two colours, we count in multiples of 2, for three colours, count in multiples of 3...

Can you work out how many teams will have 5 colours on their flag? Same rules as before.