**Anna Fraction Flags Launch**

*Title card: In the first few minutes of the lesson, Anna explains that they will work in groups; each group will be assigned a fraction (like ½) and must come up with as many ways to show their fraction as she names below.*

T The fractions are the back two groups, which is Myles’ group and Laura Lynn’s group, is going to make their flags into halves. Got it? Halves. One-fourth will be Carter’s group. The two front groups are eighths. The two front groups, if you want to make it a challenge, you can do it one step further. What would be one step further? What’s one step beyond eighths? Smaller than eighths. Audi.

S Sixteenths?

T Sixteenths. You have to decide if you have to come up with three ways to do eighths or if one of you wants to do a sixteenth or not. You have to work as a group. Now, wait a second, how are we going to achieve this? You have two options. I picked thirds and did not give you thirds because it’s difficult. The paper is eight and a half by eleven. Remember when we did our fraction kits how difficult it was for you to make thirds?

SS Yes.

T I folded mine. You have two options, you can either fold your paper to achieve your fraction, or you can use your ruler and measure it out. Or you could do both. If you fold it then you could measure it and make sure each section is correct. You have to decide. So as a group, the eighths group, you’re going to have to decide. You can do eighths or sixteenths. Did you- do you have to do three different ways. The one-fourth group, you have to come up with three different ways, Audi and your group, three different flags equaling one-fourth. The back two groups, you have to come up with three different ways to do one-half. I know there’s four of you in that group so two of you would have the same shape, but you can use different colors. Now this all seems easy. It’ll take just a few minutes. Your second thing that you’re going to do is you’re going to develop a crest or what they call coat of arms for your flag. Now I did mine at home, and I have this one and I have this one. I don’t care where you put yours. I made mine hearts just because. You can put these anywhere on your flag. If you noticed on your examples of the flag, some of them are in the corner and some of them are on the edges. Kaleh, everybody needs to be able to see that long piece of paper. So let’s see here. I’m going to put this one here. It says, “flag of one-third.” You can put that. This one, we’ll put that in the middle, I think. This one says, “land of thirds.” Now I think I’m going to put that maybe in the corner, in the left hand corner, there. Once all the flags are finished I will glue them to a stick. Put some clay on your desk, and we’ll display them on our desks.

S Cool.

T Your goal, decide as a group who’s going to do what, okay? You as an individual can color your flag any colors that you want. I don’t care here, alright? But you have to work as a team. Now there’s one thing I do have to ask you. The reason why you all got new crayons was, remember on Monday, we decided our two special colors we were going to do? So take out your blue and take out your red, and don’t use it for the flag if you would please. So t- when you take your lid off if you could put your blue and your red in your lid or somewhere off to the side so you don’t accidentally use it because we need it for our quilt, our fraction quilt. You can use any other colors in your box.

 For your crests, I’m going to give you a half a piece of paper, and I have taken off the board some of our shapes. I have a whole bunch of yellow. It’s cut for you if you want to use any of this as your crest or coat of arms. This’ll be up at the table as usual. I have a triangle if some of you just want to trace a triangle, you can do that. I don’t care. What is this?

SS Oval.

T Oval, good. This?

SS Circle.

T Good.

SS Triangle.

SS Rectangle.

T Okay, and this one?

SS Square.

SS Diamond.

T Thank you. Good job. You may come up and you may get that, trace it and then go back. I gave you quite a large piece of paper, so you can draw maybe a couple on here and decide which one you want. But whatever you put in the middle, it needs to state what your flag is divided into. Over here on your front page it tells you- it gives you some ideas already on some ways that you can fold or measure your paper out, right? Okay and that’s what your going to need. Yes.

S Can we color on the other side too?

T Flag’s only on one side. It’s up to you. It’s up to you. So good question. Rachel, wait a second. Brian has a really good question. He says “can you color both sides of the flag?” Good point. Is this flag colored on both sides?

SS Yes.

T Yes. It’s your option. But just- if you do it, make- make sure you’ve got the green behind the green or whatever. The orange behind the orange. And in that- and in that case you probably have to make two crests also. I have plenty of paper and plenty of crayons. Any thoughts or questions before I let you go with the groups?