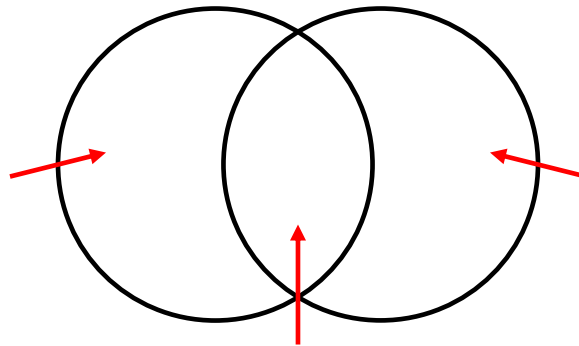# Math – Classification: Venn Diagrams

Reading/discussion

Today we are going to use **Venn diagrams** to help us sort things. A Venn diagram is made of circles. We are only going to use two for our sorting today. They look like this:

In this circle we put pictures of objects which are the same. We call these a **set**.
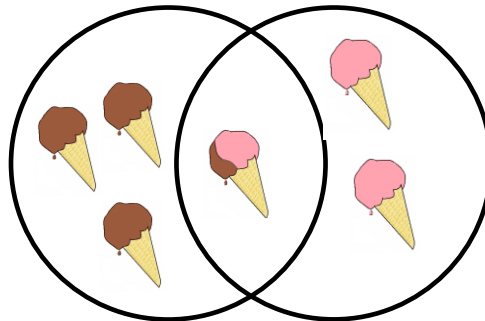
In this circle we put pictures of objects which are the same. We call these a **set**.

and in the middle, where the circles **intersect** we put a **set** of objects which are like both sides.

Here is an easy example:

Three of my friends like chocolate ice cream best of all. So I'll put a set of chocolate ice creams in this circle.

My best friend and I prefer strawberry ice cream. So I'll put a set of strawberry ice creams in this circle.

But my brother likes both. So where the circles intersect I'll put an ice cream which is both chocolate and strawberry.

Can you see that the **intersection** of the two circles has something which is the same as the set of objects in one circle (chocolate ice cream) and something which is the same as the set of objects in the other circle (strawberry ice cream)? We say it has something which is **common** to both.
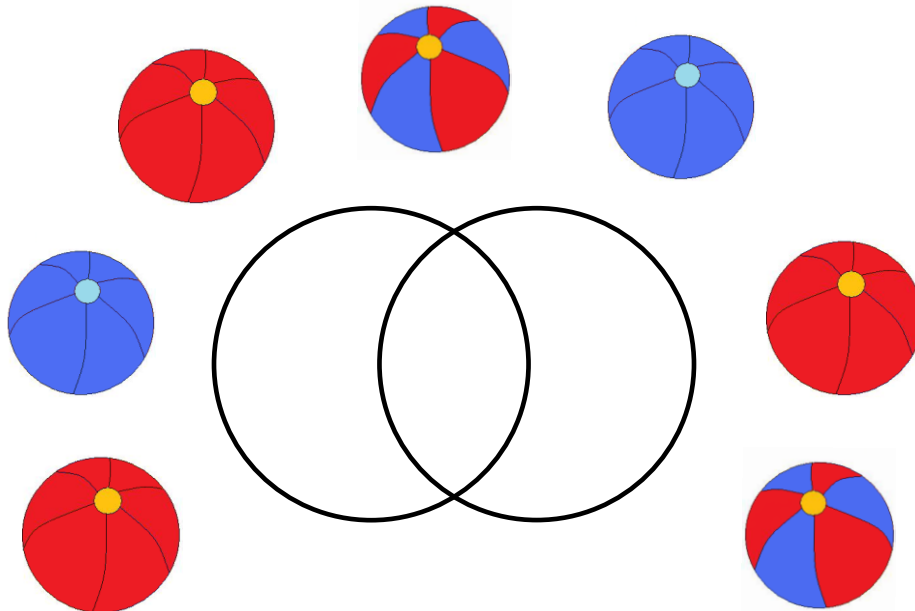
Math – Classification: Venn Diagrams Questions

<u>Here are two Venn diagrams for you to try.</u>

1. Can you draw lines from the balls to show where you would place them in the
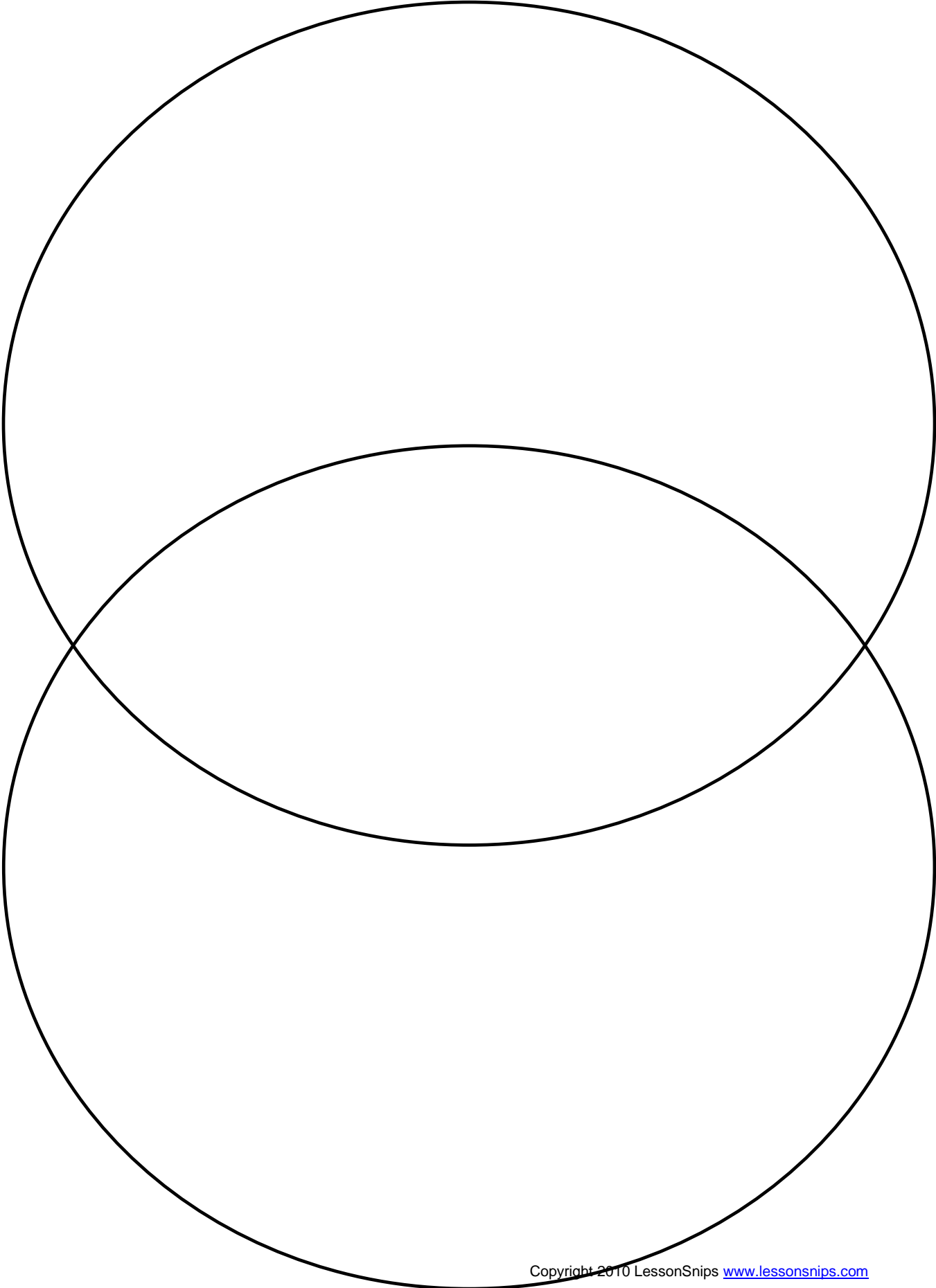   Venn diagram?

2. One of your friends has a spotted sweater, one has a striped sweater, and
one has a sweater which has spots and stripes. Can you draw the spots and
stripes on the sweaters below and color them in? When you have done that, cut
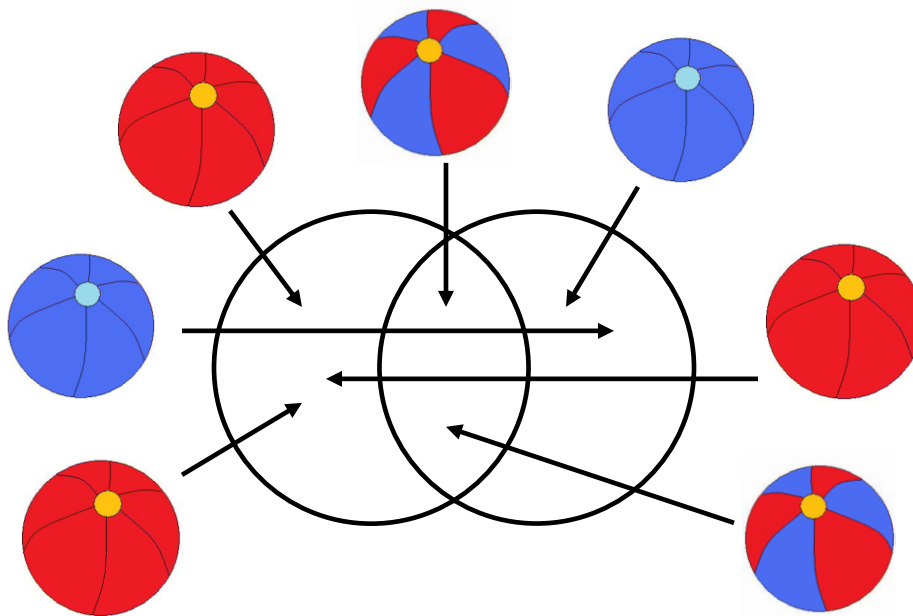them out and paste them in the correct places on the Venn diagram on the next
page.

Name_____   Date_____

Math – Classification: Venn Diagrams Answers

Activity.

1.

(Blue and red are interchangeable)

2. The sweater with the spots and stripes will go into the intersecting portion of the circles.