



L47



15-20 minutes



❖ Set of 18 Picture Cards



❖ 3 Symbol Cards

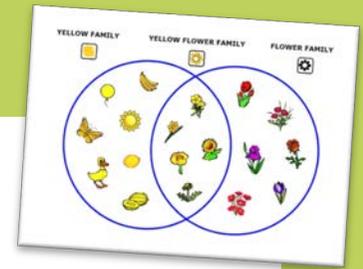


- ❖ Two circles/hoops – either actual plastic hoops, or use wire/string laid in circles on the floor
- ❖ About 16 small, white cards for creating the picture cards and labels in the 'You - Me - Us' activity (per child, if each will do their own Venn diagram)
- ❖ A pencil (per child and for you)
- ❖ A large sheet of paper (per child, if each will do their own Venn diagram in the second activity 'You - Me - Us')

YELLOW FLOWERS



- To build mathematical concepts of inclusion and exclusion
- To introduce a Venn diagram as a visual model of classification
- To foster the ability to see the relationship between classes of objects
- To master the action of visual modelling
- To practise using a Venn diagram to record differences and similarities between two sets of objects



Introduction:

Put out your two hoops, separately and slightly apart, and explain to your child that they are going to use the hoops to help them sort some objects into two families – the Flower Family and the Yellow Family. Place the black flower Symbol Card in one of the hoops, and explain that this shows us where the 'Flower Family' lives. Put the Symbol Card showing only yellow in the second circle and explain that this represents the 'Yellow Family'.

Reiterate that everything in a circle must belong to the same family; only the flowers live in the 'flower' circle and only the things that are yellow live in the 'yellow' circle.

Play 'Family Sort: Flower Family, Yellow Family, Yellow Flower Family':

Put out a few flower picture cards and a few yellow object picture cards (but none of the yellow flowers cards – don't let your child see these yet). Ask your child to put each card into the correct hoop according to the symbol cards.

When they have done that, show them one of the yellow flower picture cards. If they do not spontaneously realise that they now have a dilemma about where to put this, ask where it should go. Draw attention to the fact that it belongs to both families and say: *It can't really live with the Flower Family because the Yellow Family will be sad, and it can't live with the Yellow Family because the Flower Family will be sad.*

Discuss possible solutions to this dilemma, before showing them how to solve the problem by 'making the two families overlap' – i.e. overlapping the two circles to create a Venn diagram with a space for 'yellow flowers' between the two. Mark this space with the remaining Symbol Card, to represent the 'Yellow Flower Family'.

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Your child can recognise Symbol Cards representing the Flower Family, the Yellow Family and the Yellow Flower Family, and places all the picture cards accordingly in the Venn diagram.
Your child can identify similarities and differences between themselves and another child.
Your child can use a Venn diagram to record those differences and similarities.

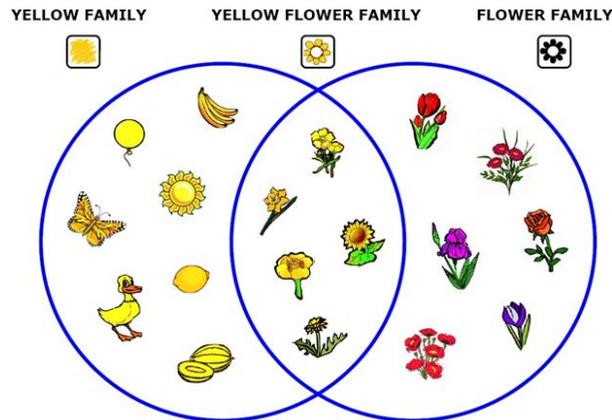


KEY TO LEARNING @HOME

YELLOW FLOWERS – continued



Continue the game by giving them the remaining picture cards a few at a time, in no particular order, until they have sorted every card correctly into one of the three spaces.



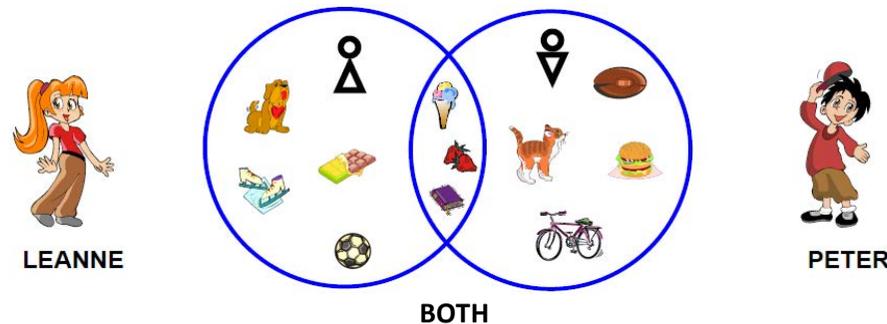
'You - Me - Us' Venn Diagram:

Draw a Venn diagram on a large sheet of paper – two large, overlapping circles. Explain to your child that together you are going to create a Venn diagram representing them and a friend of theirs (preferably a child of the opposite sex to your child, to increase the variety of differences) called You - Me - Us. If you have two children doing this activity, they can be the two children represented in the Venn diagram, or each can do their own Venn diagram and choose a friend each to use for this.

Write your child's name in or next to one circle, and the other child's name in or next to the other circle. Write 'Both' for the overlap.

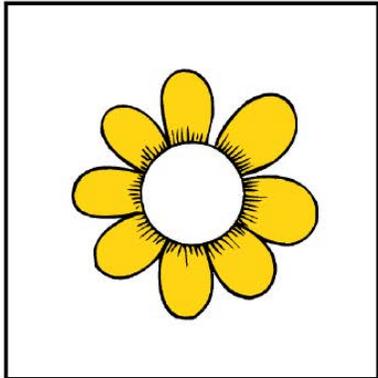
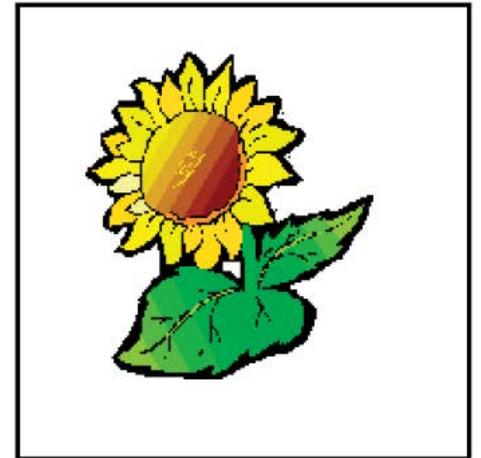
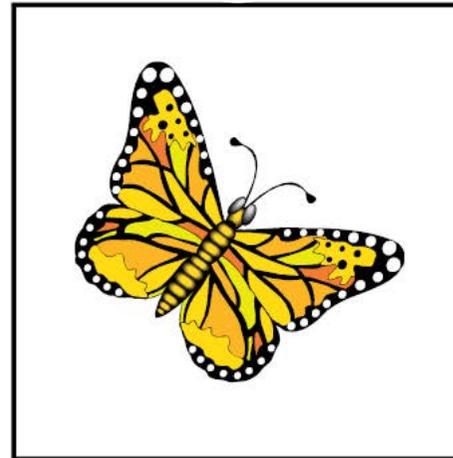
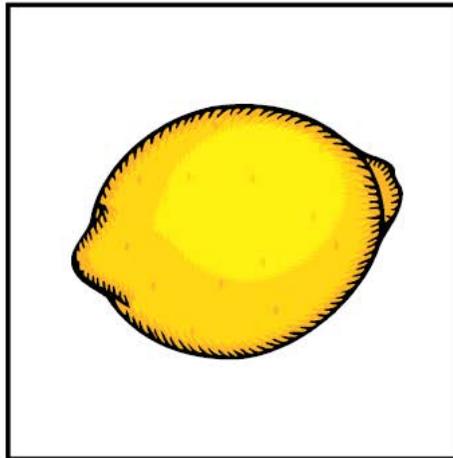
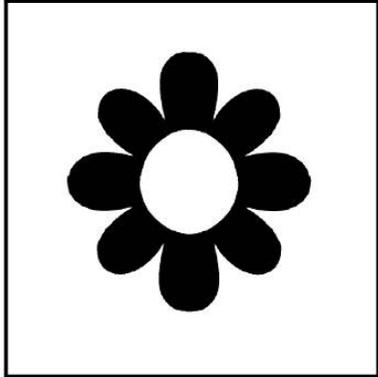
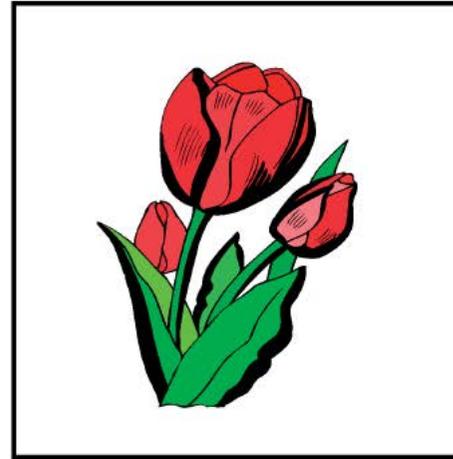
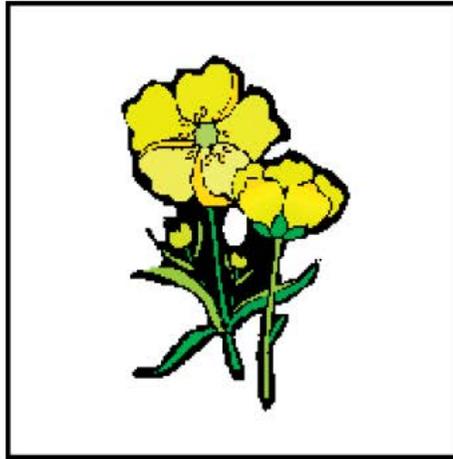
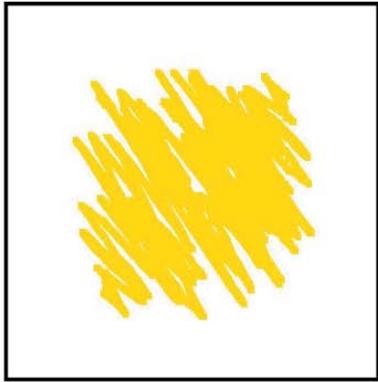
Talk about each child named on the Venn diagram. You might include information about eye colour, hair length, clothing, food preferences, games enjoyed or disliked, sports played, pets and so on. Together with your child, draw symbols or simple drawings on cards representing what they highlight about each child, in the correct sections of the Venn diagram. If they have done this about a friend, they may well want to show the friend next time they meet up so you could suggest putting it on display in your home.

An example for your reference:

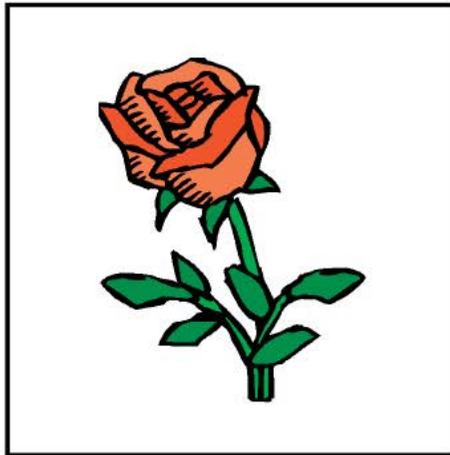
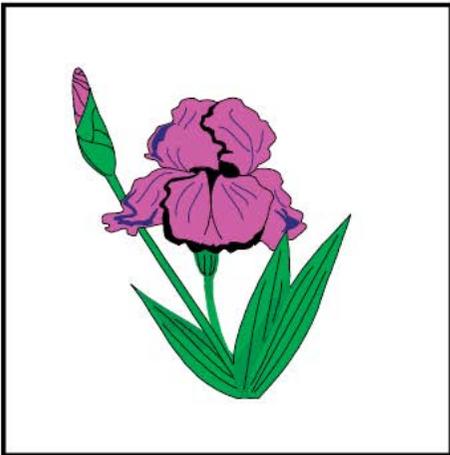
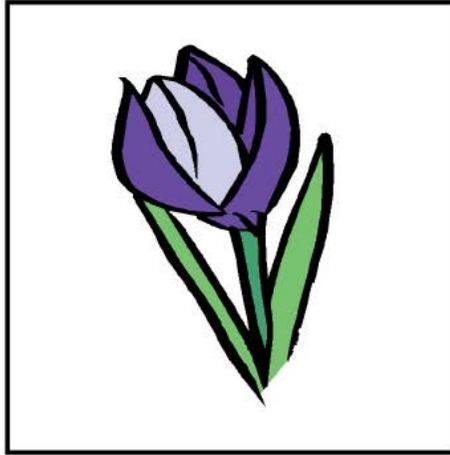
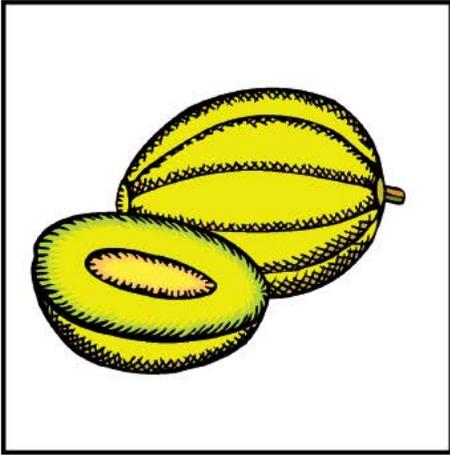


Cut out each Symbol Card separately.

Cut out each Picture Card separately.



Cut out each Picture Card separately.



Cut out each Picture Card separately.

