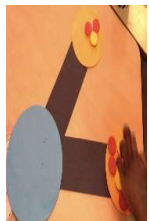
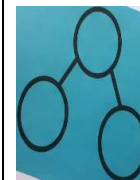
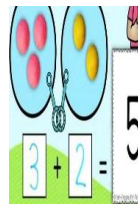


Mathematical Development		Week: 7	Topic: Number Bonds	Day: 1	Class: Kindergarten	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify pair of numbers to make number bond	Recap: Write random numbers on board and ask students to make signs $>$, $<$, $=$. We Are Learning to: Identify pair of numbers to make number bond. What I am looking for: How well you identify pair of numbers to make number bond. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: Ask students I am playing a game called Snap with you! Show them your 5-stick. Now, put your linking cube stick behind your back. When they say, "Snap!" quickly break your linking stick into two parts. Show them one of the parts. Can they guess the other one? If not, show them. Draw a number bond to show what you did with your cubes. Then, it is their turn! If you have time, play it with a 4-stick, a 3-stick, and a 2-stick! Ask them this is called number bond. Tell them in simplest terms, number bonds are pairs of numbers that add up to make another number. They're usually represented by two smaller circles (the parts) linked to a larger one (the whole). Before you bring numbers into the mix, start by simply having kids sort pictures of whole items versus parts of items. This introduces the idea of "part, part, whole," which is key to understanding number bonds. Tell students number bond is also called decomposing numbers. Tell students it helps to understand that numbers can be made in a variety of ways. https://youtu.be/9PUX_lFrhig Focused task: Provide the number bond template and counters on each table. Draw a number bond on the board and put a number in the large circle. Ask students count the counters and according to number and put the correct number of counters in the large circle on their number bonds. Then ask them to "decompose" their number. They moved their counters to the smaller circles. We then shared all of the different ways we made the number. Ask students to open book pgs. no 35 & 36. Ask them look at the pictures. Tell their names. Tell them numbers bonds are the pairs of numbers which make up the same number like $2+3$, $3+2$, $4+1$ make number 5. Give your students six counters (buttons or sweets) and ask them question like what do you add to 4 to make 6, what do you add to 5 to make 6? Roam around in the class and help students to complete the task. Wrap up: Write one whole number on board and ask students to make its pair. Reflection :			5 mins	Students will be assessed on Identifying pair of numbers to make number bond	Flashcards
				5 mins		
				25 mins		
				5 mins		Book pgs. no 35,36

Mathematical Development		Week: 7	Topic: Number Bonds	Day: 2	Class: Kindergarten	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify pair of numbers to make number bond	Recap: Write one whole number on board and ask students to make its pair. We Are Learning to: Identify pair of numbers to make number bond. What I am looking for: How well you identify pair of numbers to make number bond. Gained skill: This will help us to improve our cognitive, social and visual skills. Introduction: Tell students number bonds are used to understand the relationship between a whole number and its parts, it is best to begin by exploring this part-whole relationship. Food works great for this! We sorted food picture cards into "whole" and "part" groups. Ask students Number bonds are split numbers in useful ways. They show how numbers join together, and how they break down into component parts. Number bonds are represented by circles connected by lines. The 'whole' is written in the first circle, while the 'parts' are in the adjoining circles. Students start out by counting familiar real-world objects that they can interact with. They then use counters to represent the real-world objects. From here, they progress to grouping counters into two groups. By putting five counters into two groups. Students learn the different ways that five can be made. For example, 3 and 2 as illustrated on board. With further exploration, students work out other ways to break numbers into two groups. https://youtu.be/yloa6oOfMKk Focused task: Provide each student their own copy of number bond template and number flashcards. Ask them to share what they noticed about it. Then challenged them to point to the "whole" circle and the "part" circles. Ask them put one number on whole and the put the numbers to split that number. For example put number 4 on whole and 2, 2 flashcards on parts. Ask students to make different number bonds. Circle around in the class and help students to make number bond. Ask students open book pg. no 37. Ask them tell the names of objects. Tell them look at the pictures and complete the number bonds. Make number bond cards for any number for example number '8'. Use "whole" for "8" and parts for its pair like, 4+4, 3+5, 6+2 etc. Display them on board. Roam around in the class and help them to complete the task. Wrap up: Write one whole number on board and ask students to make its pair. Reflection : Homework: Do the copy work. Make number bonds with the given numbers on copy			5 mins	Students will be assessed on Identifying pair of numbers to make number bond	Flashcards   Book pg. no 37 Copy work
				5 mins		
				25 mins		
				5 mins		

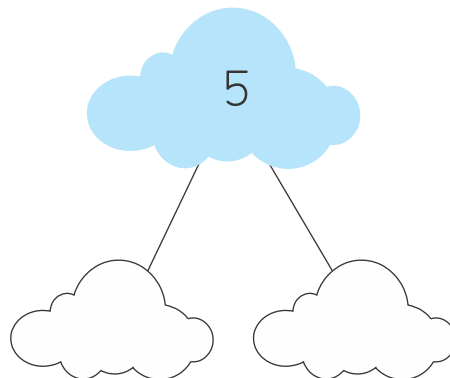
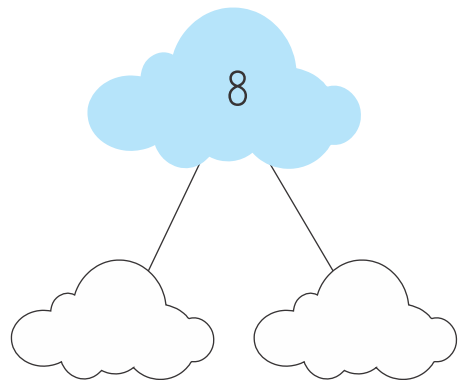
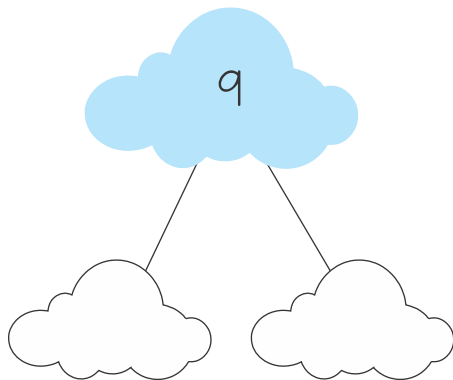
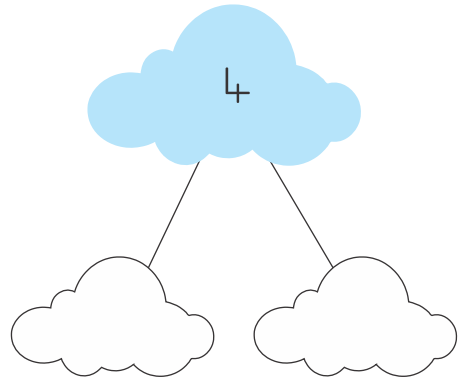
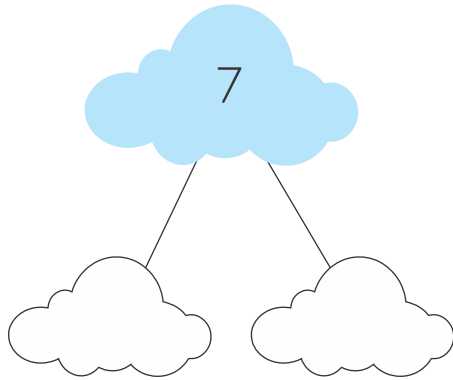
Mathematical Development		Week: 7	Topic: Number Bonds	Day: 3	Class: Kindergarten	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify pair of numbers to make number bond	Recap: Write one whole number on board and ask students to make its pair. We Are Learning to: Identify pair of numbers to make number bond. What I am looking for: How well you identify pair of numbers to make number bond. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Ask students what is a number bond? It's simple, really. Number bonds are the pairs of numbers that are added to make another number. Because of this, they are often referred to as number pairs or decompose numbers. Ask them they are perfect for helping students quickly solve addition and subtraction questions. Use specific amounts of sweets or toys (10, 20, 30 etc.) and get students to answer number bond questions relating to the objects. This helps students engage with the problem and begin to visualize and memories common number pairs. Once students are familiar with understand that numbers can be broken apart and put together, you can begin to use the number bond to compose and decompose numbers! Start with the floor number bond using objects, such as cars, and told "put together" and "break apart" . Then label the circles with number cards to connect the concrete to the abstract and recited the corresponding number sentences out loud. https://youtu.be/NUBBaETaEI Focused task: Ask students today we use a hula hoop number bond to act out these operations. Began with decomposing and invited a specific number of students to stand in the "whole" circle. Tell them when teacher said, "Decompose" or "break apart," they moved to the part circles. Repeat this activity several times with all students until all students have several chances to be in the number bond. Ask students to open book pg. no 38. Ask them tell the names of objects. Tell them look at the pictures and complete the number bonds. Make number bond cards for any number for example number '8'. Use "whole" for "8" and parts for its pair like, 4+4, 3+5, 6+2 etc. Display them on board. Roam around in the class and help them to complete the task. Give them a set amount of time to complete the task and monitor their progress. Wrap up: Write one whole number on board and ask students to make its pair. Reflection :			5 mins	Students will be assessed on	Flashcards
				5 mins		
				25 mins	Identifying pair of numbers to make number bond	Hula hoop
				5 mins		
					Book pg. no 38	

Mathematical Development		Week: 7	Topic: Number Bond	Day: 4	Class: Kindergarten	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify pair of numbers to make number bond	Recap: Write one whole number on board and ask students to make its pair. We Are Learning to: Identify pair of numbers to make number bond. What I am looking for: How well you identify pair of numbers to make number bond. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Start the lesson with magnetic numbers and make number bond. Ask students take a number from 1-10 and model how to break it into two parts. Ask them Number bonds also develop problem-solving strategies such as 'making ten' with ten frames or cubes. Ask them Number bonds are pairs of numbers that can be added together to make another number e.g. $4 + 6 = 10$. Ask for a student volunteer to define the number bond. After some discussion, tell class number bonds are pairs of numbers that add up to make another number. They're usually represented by two smaller circles (the parts) linked to a larger one (the whole). Before teaching number bond, start by simply having students sort pictures of whole items versus parts of items. This introduces the idea of "part, part, whole," which is key to understanding number bonds. Show on board how we can make number bond with 2. $1+1=2$ $0+2=2$ $2+0=2$ Focused task: Provide the number cards and play dough. Place the all things on the mat. Ask students pick up one card and read the number then say it aloud. Ask them if the number is 6 then roll 3 pink balls out of playdough and laid them in the first bubble. Ask the students how many bubbles they saw and wrote their answer, three, in the first box. Ask them if we have three bubbles now, how many more do we need to make six?" The class unanimously agreed that we need three more to make six. So, we add three yellow playdough balls to the 2nd bubble and write "3" in the box. Ask students to open book pg. no 39. Ask them tell the names of objects. Tell them look at the pictures and complete the number bonds. Make number bond cards for any number for example number '8'. Use "whole" for "8" and parts for its pair like, $4+4$, $3+5$, $6+2$ etc. Display them on board. Roam around in the class and help them to complete the task. Give them a set amount of time to complete the task and monitor their progress. Wrap up: Write one whole number on board and ask students to make its pair. Reflection : Homework: Do the worksheet pasted on copy.			5 mins	Students will be assessed on Identifying pair of numbers to make number bond	Flashcards Playdough, number cards,  Book pg. no 39 Worksheet
				5 mins		
				25 mins		
				5 mins		



Student Name: _____ Date: _____

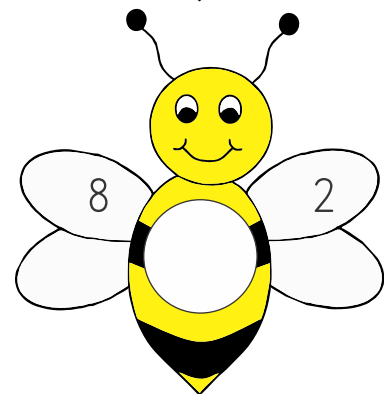
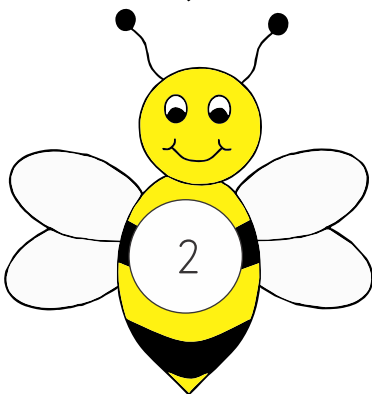
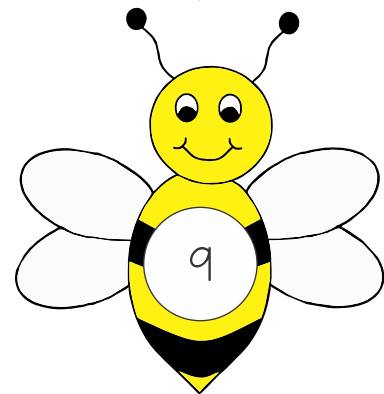
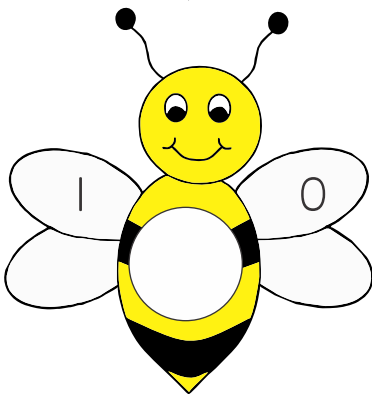
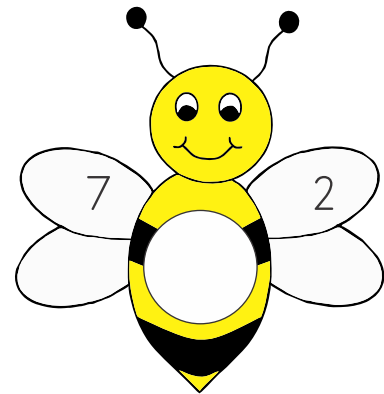
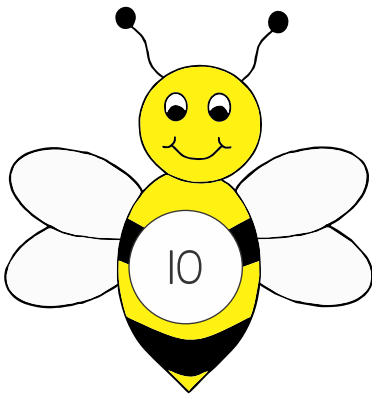
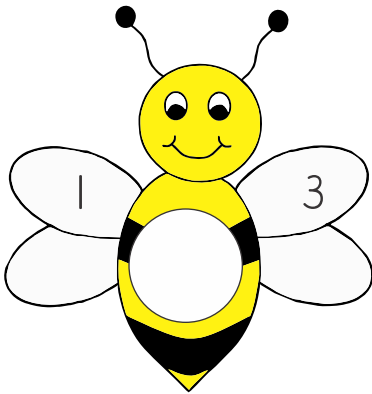
Make the number bonds of given numbers.





Student Name: _____ Date: _____

Look at the pictures and complete the number bond.





Student Name: _____ Date: _____

Look at the pictures and complete the number bond.

