

Grade Level / Content Area:	Grade K-2 / Math - Addition
Standards:	CCSS.MATH.CONTENT.1.OA.A.1 CCSS.MATH.CONTENT.2.OA.A.1
Concept/Topic to Teach:	Addition of up to 9

### *I. Getting students set to learn Addition*

**Introduction/Review;** Review the work recently done by the class related to addition.

**Anticipatory Set;** Explain that we are going to learn how to add numbers totaling up to 9 in today's lesson.

**Objectives;**

- The students will be able to add numbers totaling up to 9 to an existing number or group of objects.
- Students will demonstrate they understand what addition means by reviewing one completed problem with their teacher and students will expand their skills with larger numbers.

### *II. Instruction*

**Input and Modeling;** Go through the first two examples from the work sheet together. Ensure the students understand the importance of listening to or reading the question carefully before answering it. Ask the students to complete the remainder of the first worksheet page.

### *III. Checking for understanding*

**Checking Understanding;** Review the student's completed first worksheet pages and explain any errors.

**Guided Practice;** Have the students complete the second page of the worksheet.

### *IV. Independent practice – Hands-On Learning*

**Independent Practice;**

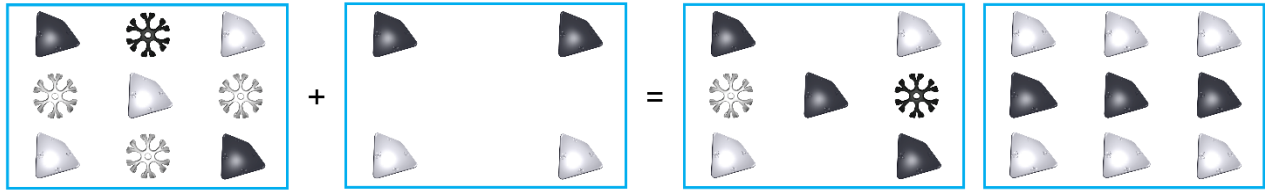
Pass out the HyPars Educational kits to the students and indicate these parts will be used to learn more about adding up to 9 objects to a group of objects you already have.

From the HyPars Educational Kit parts, have each student make one small group of parts consisting of some HyPars and some Connectors.

- Have the students get seven additional part from the HyPars Educational Kit.
- Have the students add those additional parts to the group of parts.
- Ask the students how many parts they now have.
- Ask the students to assemble (connect) the entire group of parts and ask them again how many parts are in this first assembly.
- Upon confirmation of each student understanding the addition of seven parts to their first group of parts, have each student make a second small group of parts (containing both HyPars and Connectors) from the HyPars Educational Kits.
- Have the students get nine additional parts from the HyPars Educational Kit.
- Have the students add those two additional parts to the group of parts.
- Ask the students how many parts they now have.
- Ask the students to assemble (connect) the entire group of parts and ask them again how many parts are in this second assembly.
- Have the students disassemble their assemblies and put the parts away back into their HyPars Educational Kits.

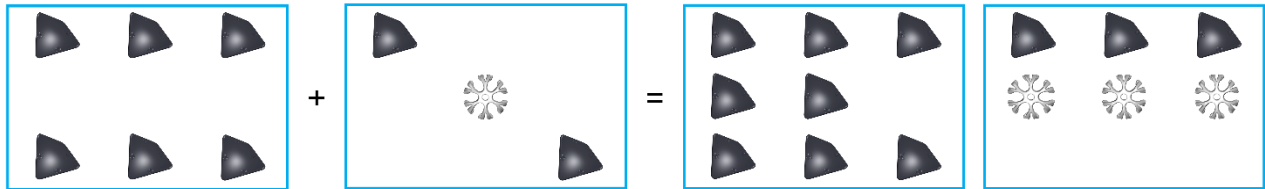
## Addition of up to 9 Worksheet

1. Add the HyPars in the first Figure to the HyPars in the second Figure and circle the third or fourth Figure that has the correct resulting number of HyPars. 1b) Fill in the equation below the Figures.



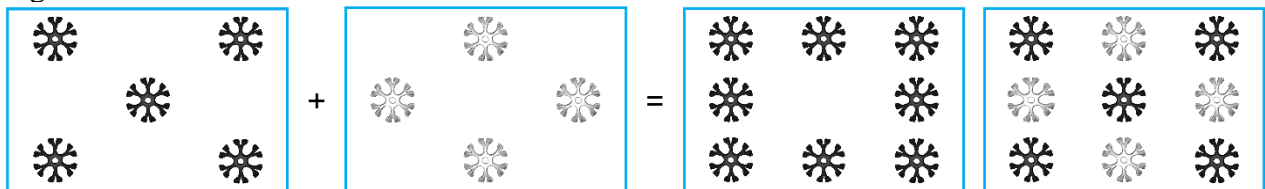
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

2. Add the black HyPars in the first Figure to the black HyPars in the second Figure and circle the third or fourth Figure that has the correct resulting number of black HyPars. 2b) Fill in the equation below the Figures.



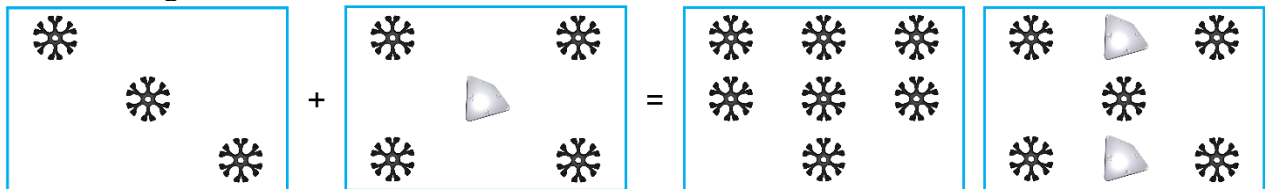
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3. Add the Connectors in the first Figure to the Connectors in the second Figure and circle the third or fourth Figure that has the correct resulting number of Connectors. 3b) Fill in the equation below the Figures.



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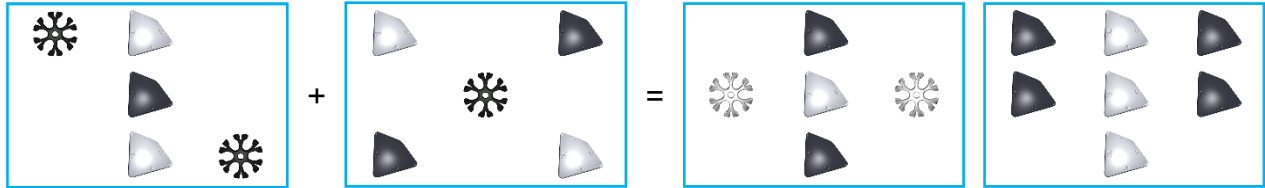
4. Add the black Connectors in the first Figure to the black Connectors in the second Figure and circle the third or fourth Figure that has the correct resulting number of black Connectors. 4b) Fill in the equation below the Figures.



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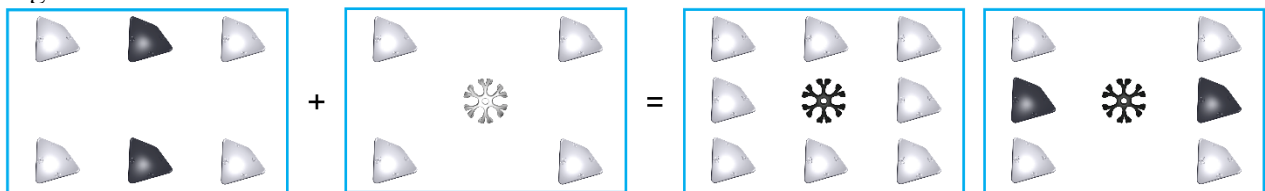
## Addition of up to 9 Worksheet

5. Add the HyPars in the first Figure to the HyPars in the second Figure and circle the third or fourth Figure that has the correct resulting number of HyPars. 5b) Fill in the equation below the Figures.



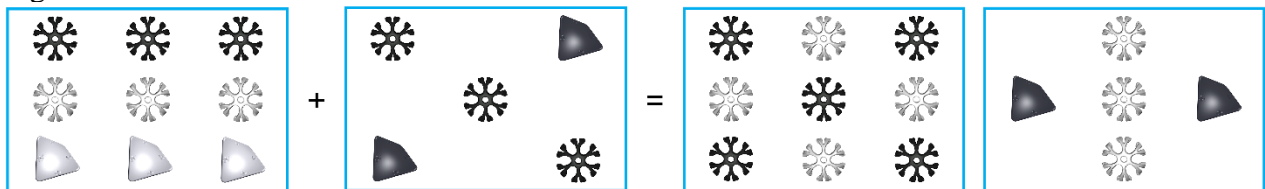
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6. Add the white HyPars in the first Figure to the white HyPars in the second Figure and circle the third or fourth Figure that has the correct resulting number of white HyPars. 6b) Fill in the equation below the Figures.



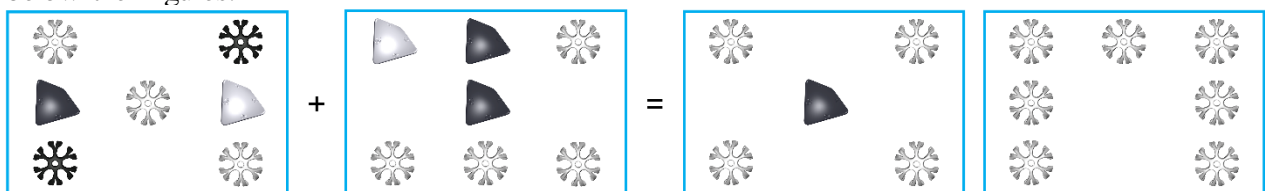
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7. Add the Connectors in the first Figure to the Connectors in the second Figure and circle the third or fourth Figure that has the correct resulting number of Connectors. 7b) Fill in the equation below the Figures.



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

8. Add the white Connectors in the first Figure to the white Connectors in the second Figure and circle the third or fourth Figure that has the correct resulting number of white Connectors. 8b) Fill in the equation below the Figures.



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_