

Grade Level / Content Area: *Grade K-2 / Math - Addition*

Standards: CCSS.MATH.CONTENT.2.OA.A.1

Concept/Topic to Teach: Addition, up to 24

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 24 in today's lesson.

Objectives;

- The students will be able to add numbers (totaling up to 24) to an existing number or group of objects.
- Students will understand what addition means and expand their skills with larger numbers.

II. Instruction

Input and Modeling; Go through the first two examples from the work sheet together. Explain the importance of listening to or reading the problem carefully before attempting to answer it. Ask the students to complete the remainder of the first worksheet page. Have the students use the back of the Worksheet if they need to do re-grouping calculations.

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

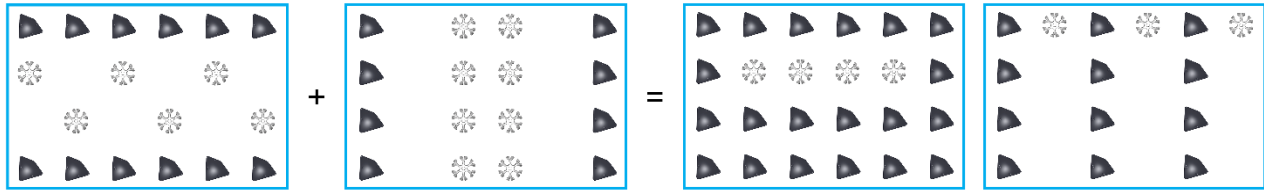
Independent Practice;

Pass out the HyPars Educational kits to the students and indicate these parts will be used to learn more about adding (totaling up to 24) objects to a group of objects you already have.

- From the HyPars Educational Kit parts, have each student make one group of seven parts consisting of some HyPars and some Connectors.
- Have the students get fourteen additional parts (some HyPars and some Connectors) 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 group of eleven parts (containing both HyPars and Connectors) from the HyPars Educational Kits.
- Have the students get thirteen additional parts (some HyPars and some Connectors) 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.

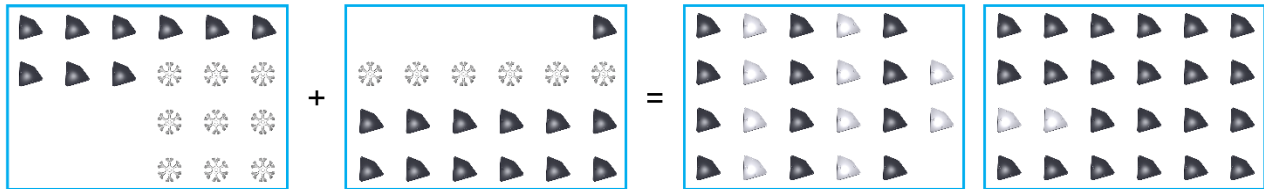
Addition of up to 24 Worksheet

- 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 total. 1b) Fill in the equation below the Figures.



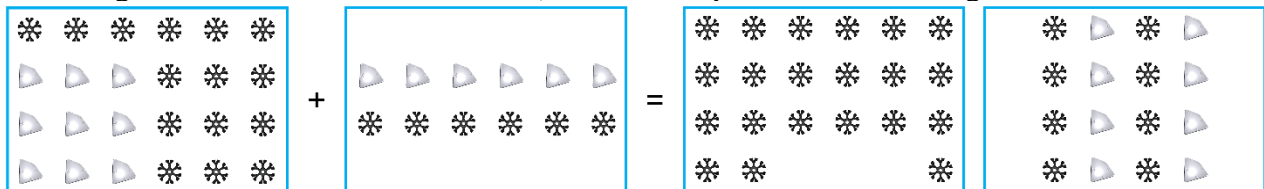
_____ + _____ = _____

- 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 total. 2b) Fill in the equation below the Figures.



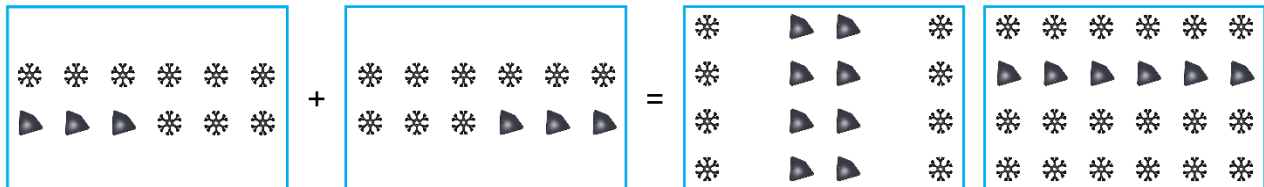
_____ + _____ = _____

- 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 total. 3b) Fill in the equation below the Figures.



_____ + _____ = _____

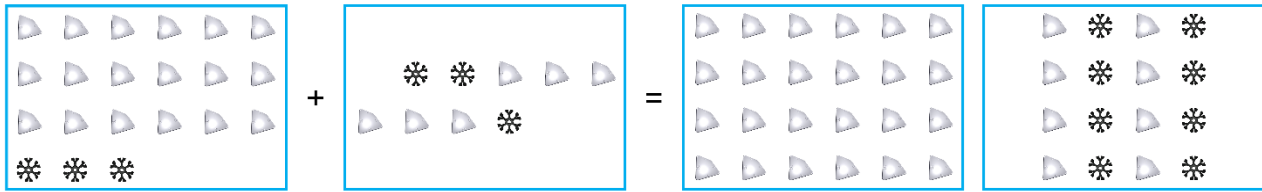
- 4) Add the black Connectors in the first Figure to the black Connectors in the second Figure and circle the third or fourth Figure that has the correct total. 4b) Fill in the equation below the Figures.



_____ + _____ = _____

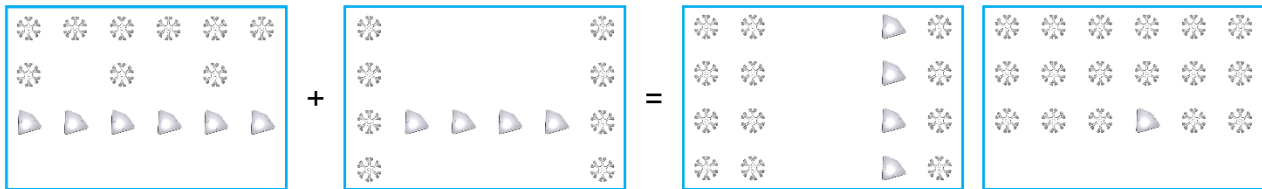
Addition of up to 24 Worksheet

- 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 total. 5b) Fill in the equation below the Figures.



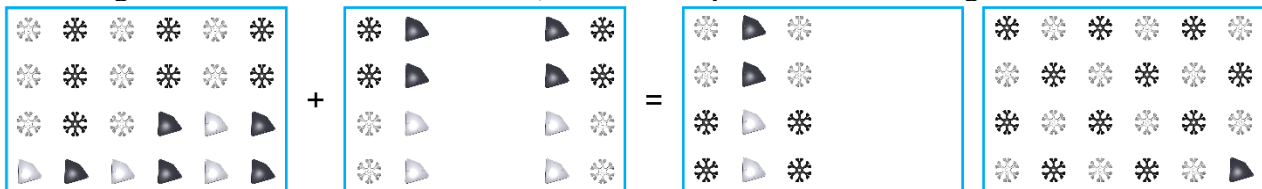
_____ + _____ = _____

- 6) 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 total. 6b) Fill in the equation below the Figures.



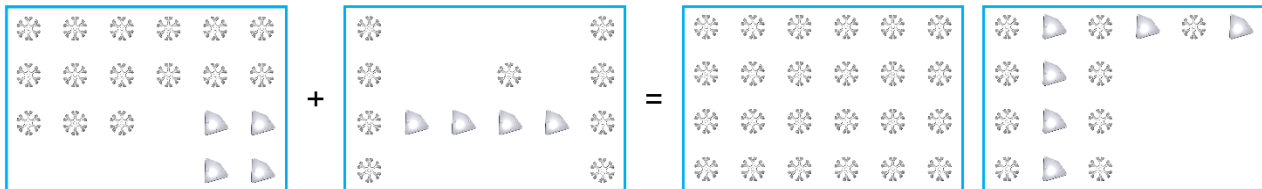
_____ + _____ = _____

- 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 total. 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 total. 8b) Fill in the equation below the Figures.



_____ + _____ = _____