

Grade Level / Content Area:	Grade 3-5 / Math – Fraction
Standards:	CCSS.MATH.CONTENT.3.NF.A.1
Concept/Topic to Teach:	Fraction Word Problems

I. Getting students set to learn Fractions

Introduction/Review; Discuss the work the class has recently done with fractions.

Anticipatory Set; Explain today's lesson will allow them to solve a different kind of fraction problem; one presented by words, not numbers.

Objectives;

- The students will be able to identify which illustration answers the question.
- The students will be able to translate word problems into numerical representations which can be used to answer the question.

II. Instruction

Input and Modeling; Go through the first two examples from the worksheet 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.

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 and tell the students these kits will help them solve fraction word problems.

- From the HyPars Educational Kit parts, have each student make one small group of connectors and HyPars. Ask the students what fraction of the group is HyPars and what fraction is Connectors.
- From the HyPars Educational Kit parts, have each student make a second small group of connectors and HyPars. Ask the students what fraction of this second group is HyPars and what fraction is Connectors.
- Have the students add the two groups together and ask how many HyPars and Connectors they now have. Ask the students what fraction of this added group is HyPars and what fraction is Connectors.
- Have the students assemble the HyPars and Connectors into an assembly.
- Have the students disassemble their assemblies and put the parts away back into their HyPars Educational Kits.

Fraction Word Problems Worksheet

<p>1. If a student had one Connector and four HyPars, circle the Figure which represents that fraction. 1a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p>
<p>2. If a student had one white HyPar and two black HyPars, circle the Figure which represents that fraction. 2a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p>
<p>3. If a student had two Connectors and three HyPars And he/she lost one Connector, circle the Figure which represents that fraction. 3a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p>
<p>4. If a student had one Connector and three HyPars And he/she put one more Connector into the group, circle the Figure which represents that fraction. 4a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p>

Fraction Word Problems Worksheet

<p>5. If a student had three Connectors and four HyPars, circle the Figure which represents that fraction.</p> <p>5a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p> <p>_____</p>
<p>6. If a student had five white HyPar and two black HyPars, circle the Figure which represents that fraction.</p> <p>6a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p> <p>_____</p>
<p>7. If a student had four Connectors and three HyPars And he/she lost two Connectors, circle the Figure which represents that fraction.</p> <p>7a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p> <p>_____</p>
<p>8. If a student had one Connector and three HyPars And he/she put two more Connectors into the group, circle the Figure which represents that fraction.</p> <p>8a) Write below the Figure, the fraction of Connectors and then the fraction of HyPars in the circled Figure.</p>	<p>_____</p> <p>_____</p>