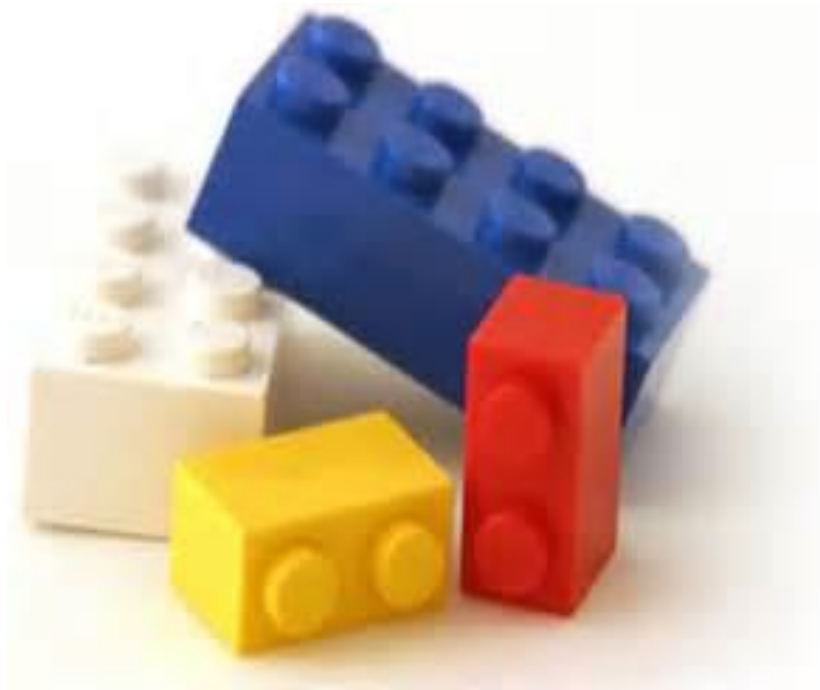


Lego Fractions

Intro to Fractions

Grades 1, 2, and 3



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Lego Math Lesson

Instruction strategies: whole or small group instruction

Lesson length: 30 minutes

Materials: Legos, copies of lego math worksheet and grouping paper, pencil; whole group instruction may require an overhead projector or other technical gadget.

Common Core Standards:

Math

Grade 1: 1.OA.1, 1.MD.4

Grade 2: 2.MD.10, 2.OA.10

Grade 3: 3.NF.1, 3.NF.3

Language Arts

Grade 1 and 2: WS.8

Grade 3: 3.b

Lesson objectives:

Recall addition calculations.

Introduce fraction symbols.

Describe how to group, regroup, and graph items.

Complete worksheet.

Anticipate: Show students the legos.

Focus: Model how to group legos into equal groups.

Learn: Complete the lego worksheet which includes the following the actions. Gather four legos. Divide legos into four equal groups. Use addition calculations to solve questions 1-6. Gather eight more legos. Regroup legos into four equal groups. Graph the groups of legos. Use the graph or groups of legos to solve question 7 through 12. Describe how question 10 was solved.

Reflect: Students discuss how they added groups or fractions of legos.

Assessment: The teacher will check completed worksheets for accuracy and possible follow-up lesson.

Lego Fractions

Name _____

Date _____

Collect four legos.

Divide the legos into four groups.

1. How many legos are there in each group? _____
2. How many legos are there in two groups of legos? _____
3. How many legos are there in three groups of legos? _____
4. How many legos are there in $\frac{1}{4}$ of the groups? _____
5. How many legos are there in $\frac{3}{4}$ of the groups? _____

Gather eight more legos.

Divide the legos into four groups.

Graph the lego groups.

6. How many legos are there in each group?

7. How many legos are there in three groups of legos? _____
8. How many legos are there in $\frac{1}{4}$ of the groups? _____
9. How many legos are there in $\frac{3}{4}$ of the groups? _____
10. How many legos are there in $\frac{4}{4}$ of the groups? _____
11. What is the sum $\frac{1}{4}$ and $\frac{2}{4}$ of the lego groups? _____

Describe how you calculated the answer to question 10.

Grouping Paper
Trail Mix Fractions

