# Name

## 

## Grade 5 Mathematics Extension Menu

**Concept and/or Topic: Fractions**

**Directions: Choose** a learning activity from one square to complete. If you choose the square, “Write your idea here,” please see the teacher with your idea first. **Circle**the number of the learning activity you choose.

**Turn** inthis paper with your work.

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| --- | --- | --- |
| 1.  **Select** at least 5 different fractional pictures or graphs from a newspaper or magazine. **Arrange** the pictures or graphs before gluing them onto paper. **Write** a caption for each of the pictures or graphs to **summarize** what is being shown. | 2.  **Survey** your classmates about their favorite sport or sports team. **Find** the fractional results. **Create** a number line to display the results. **Extend** your work by writing equivalent fractions for each result. **Select** an appropriate chart to show the outcome of your survey. **Include** all of the important parts of a chart and add color for visual appeal. **Describe** the results in a short paragraph. | 3.  **Create** an equivalent fractions matching card game as follows:   * **Determine** 20 pairs of equivalent fractions, including simplified fractions. * **Write** each fraction on an index card. * **Devise** rules and directions for the game.   Example:          **Play** the matching game with a friend. |
| 4.  **Create** a table to display the value of each coin as a fraction of a dollar. **Explore** the relationship between fractions and money amounts, using 8 pennies, 8 dimes, 8 nickels and 8 quarters. **Develop** a quiz with at least 8 challenging questions, using the Question Cubes. For example: Which four coins could be combined to make  of a dollar?  **Create** an answer key. **Test** your knowledge by exchanging quizzes with a partner. | 5.  **Write** your idea here.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6.  **Plan** and **design** a game that uses addition and subtraction of fractions. **Include** equivalent forms of proper fractions (with denominators that are factors of 100), decimals and percents.  **Use** materials provided or approved by your teacher to construct your game. |

**Teacher Resource Page**

Grade 5 Mathematics Extension Menu

**Concept and/or Topic: Fractions**

**Intended Purpose: Extension/Enrichment Activity**

**Standard(s) and Indicators Addressed:**

MA 500.60 KNOWLEDGE OF NUMBER RELATIONSHIPS AND COMPUTATIONS

Box 1 .10 Read, write, or represent fractions or mixed numbers of a set or region (area) using symbols, words, or models

Box 2 .11 Compare and order fractions or mixed numbers in a variety of equivalent forms using models and number lines

Box 3 .15 Identify and determine equivalent fractions (including simplifying fractions)

Box 4 .16 Identify and determine equivalent forms of proper fractions (with denominators that are factors of 100), decimals and percents

Box 6 .24 Add/Subtract proper fractions or mixed numbers with answers in simplest form

**Organizational Tips:**

Box 1 Provide newspapers and magazines.

Box 2 Supply chart paper.

Box 3 Provide 40 3x5 index cards for each student.

Box 4 Supply 8 pennies, 8 nickels, 8 dimes and 8 quarters for each student. Provide question cubes.

See “Questioning” category on the GT link at [www.fcpsteach.org](http://www.fcpsteach.org) for information about question cubes.

Box 6 Provide poster board, index cards, spinner circles, paper clips.