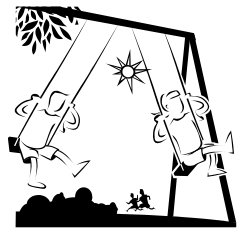# Teacher Directions-Problem Solving Scoot

- There are 7 problems in this document. Cut each page on the dotted line.
- Take all 7 problems and hang them around the classroom.
- Split the students into 7 groups. Each student will need a copy of the student recording sheet (included in this document). Students will solve the problems from the scoot on the student recording sheet. Assign each group to a problem to start with.
- The teacher will direct the groups of students to move to the next problem. Allow 2-5 minutes per problem (teachers use your best judgment).

Task Card #1

The 5th and 6th graders both have recess at the same time and must share the playground. $\frac{1}{4}$ of the playground is for all students who want to sit and read. The remaining space is divided equally between the two grades. The 6th grade garden club will use $\frac{1}{6}$ of their space to plant a garden.

Create a diagram to show the fraction of the entire playground used for the garden. Defend your diagram using a mathematical equation.

Task Card #2

Mr. Jim went to the store to buy lumber to help create the class garden. He bought an eight-foot piece of wood to cut for the posts. He needs to cut the lumber into pieces that are $\frac{3}{4}$ foot long to make posts for the fence. How many posts can he cut from the lumber bought?

|------------------------ 8 ft. ---|

Task Card #3

Julie has $8\frac{3}{4}$ yards of fabric to make Mr. Bryant a classroom banner. Each person in the class will use $3\frac{1}{2}$ yards for their own personal section. How many sections can be made from Julie's fabric?

Task Card #4

The baseball team is making pizzas to raise money for new uniforms. They use $\frac{2}{5}$ of a package of cheese on each pizza. If they have $12\frac{1}{3}$ packages of cheese, how many pizzas will they be able to make?

Task Card #5

Shelly ran 5.23 miles on Tuesday, 6.12 miles on Wednesday, and 7.5 miles on Thursday. She must run a total of 27.7 miles this week. How many miles more miles does she need to run?
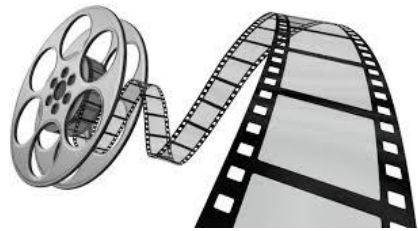
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Task Card #6

Jordan withdrew $\frac{1}{4}$ of his savings to purchase a new game station. He spent $450.45 of his withdrawal and had $150.55 left. How much did Jordan have in his savings account to begin with?

Task Card #7

Mrs. Howard had $1,450. She spent $\frac{2}{5}$ of the money on a Blu-ray player and $\frac{3}{7}$ of the remainder on Blu-Ray disks. How much money did she spend on Blu-Ray disks?

Name: _____ Date: _____ Hour: _____

Student Recording Sheet

1.

2.

3.

4.

5.

6.

7.

Student Recording Sheet

1.

R	5th	5th	5th
E	5th	5th	5th
A	6th	6th	6th
D	6th	6th	6th garden

$$1 - \frac{1}{4} = \frac{3}{4}$$

$$\frac{3}{4} * \frac{1}{2} = \frac{3}{8}$$

$$\frac{1}{6} * \frac{3}{8} = \frac{3}{48} = \frac{1}{16}$$ **The garden will be $\frac{1}{16}$ of the entire playground.**

2. **He can cut $10\frac{2}{3}$ posts from the lumber bought.**

3. **There will be $2\frac{1}{2}$ sections.**