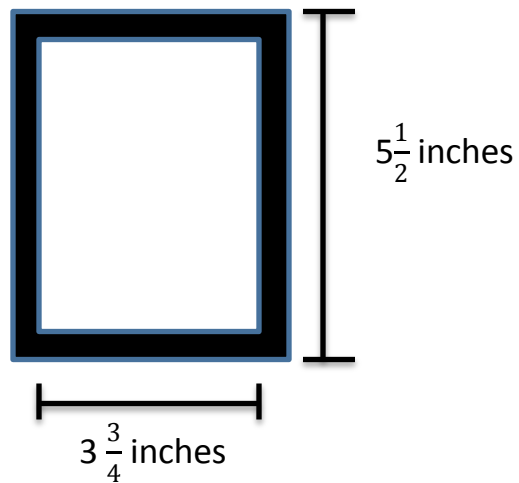


MS 1(Pilot)

Fred is making picture frames from strips of wood one inch wide as pictured below. The dimensions of the frames are shown below.



Fred is making 4 frames. What is the least amount of one inch strips of wood that Fred needs to make the 4 frames?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS 2 (Pilot)

Allyson was making goodies bags for her birthday party. She put  $\frac{1}{2}$  cup of chocolate chips and  $\frac{2}{3}$  cup of peanuts into each goodie bag. If she made 12 goodie bags how many cups of goodies did she use?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS3 (Pilot)

Ellen used  $\frac{2}{3}$  cups of trail mix in each of the 14 bags she made.

Henry used  $\frac{3}{4}$  cups of trail mix in each of the 14 bags he made.

How much more trail mix did Henry use than Ellen?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS4 (Pilot)

Bob and Traci got in a disagreement about who ran farther during a one-week period.

Bob ran 4 times. He ran  $3\frac{3}{4}$  miles each time.

Traci ran 3 times. She ran  $4\frac{3}{5}$  miles each time.

Who ran more and by how many miles?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS 5 (Pilot)

Gabriella needs to feed her rabbit for the next 5 days. She has  $5\frac{1}{4}$  cups of spinach,  $3\frac{2}{3}$  cups of parsley, and  $6\frac{2}{3}$  cups of grass.

If she mixes it all together and divides it evenly among the 5 days, how much will her rabbit eat each day?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS6 (Pilot)

Kiki bought the following list of foods to make a trail mix.

$\frac{3}{4}$  pound of peanuts

$\frac{2}{3}$  pound of cashews

$1\frac{1}{4}$  pounds of almonds

$\frac{2}{3}$  pounds of pistachios

Kiki evenly divided her trail mix into 8 bags. How much trail mix was in each bag?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS7 (Pilot)

The fifth grade class at Fairtown Middle School was doing a fundraiser selling chocolate candies.

A local business donated  $6\frac{3}{4}$  pounds of chocolate candies.

Noah wanted to package the candies in bags with  $\frac{3}{4}$  pounds of chocolate per bag.

Andy wanted to package the candies in bags with  $\frac{1}{2}$  pounds of chocolate per bag.

How many more bags could they make if they chose Andy's way?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_

MS8 (Pilot)

Mr. James told his class that he would offer them a popcorn party but they had to choose which sized boxes they would prefer.

Popcorn Box A: Two people share  $1\frac{2}{3}$  quart box of popcorn equally.

Popcorn Box B: Three people share  $2\frac{5}{8}$  quart box of popcorn equally.

Which choice provides each student with the most popcorn and by how much popcorn?

Show your work.

Write an equation to represent the situation. \_\_\_\_\_