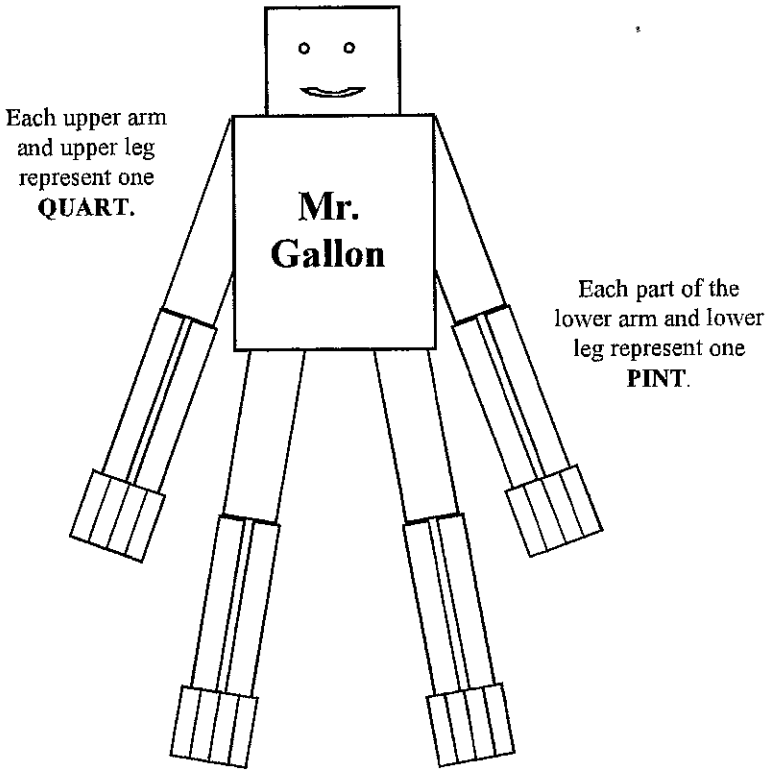
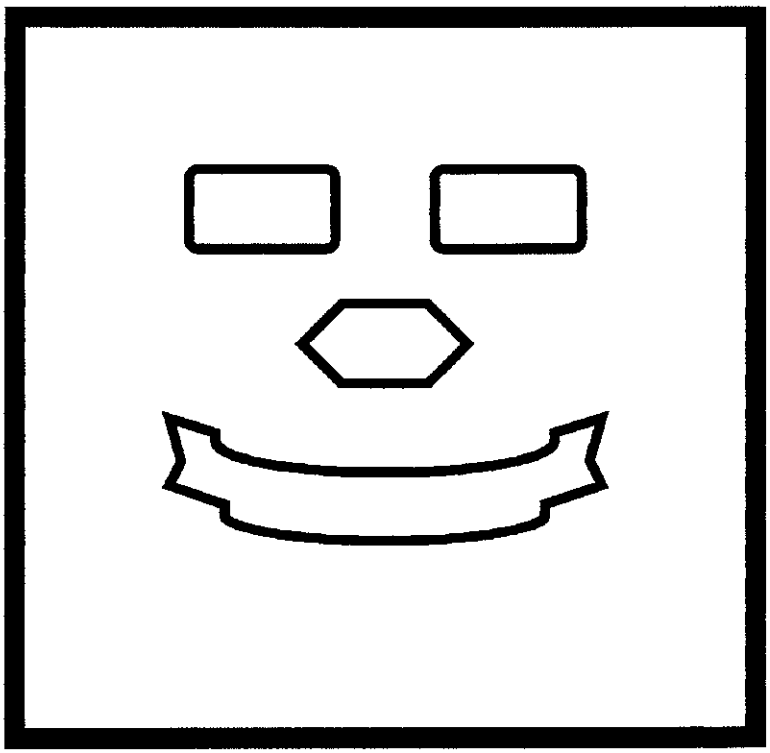
Mr. Gallon



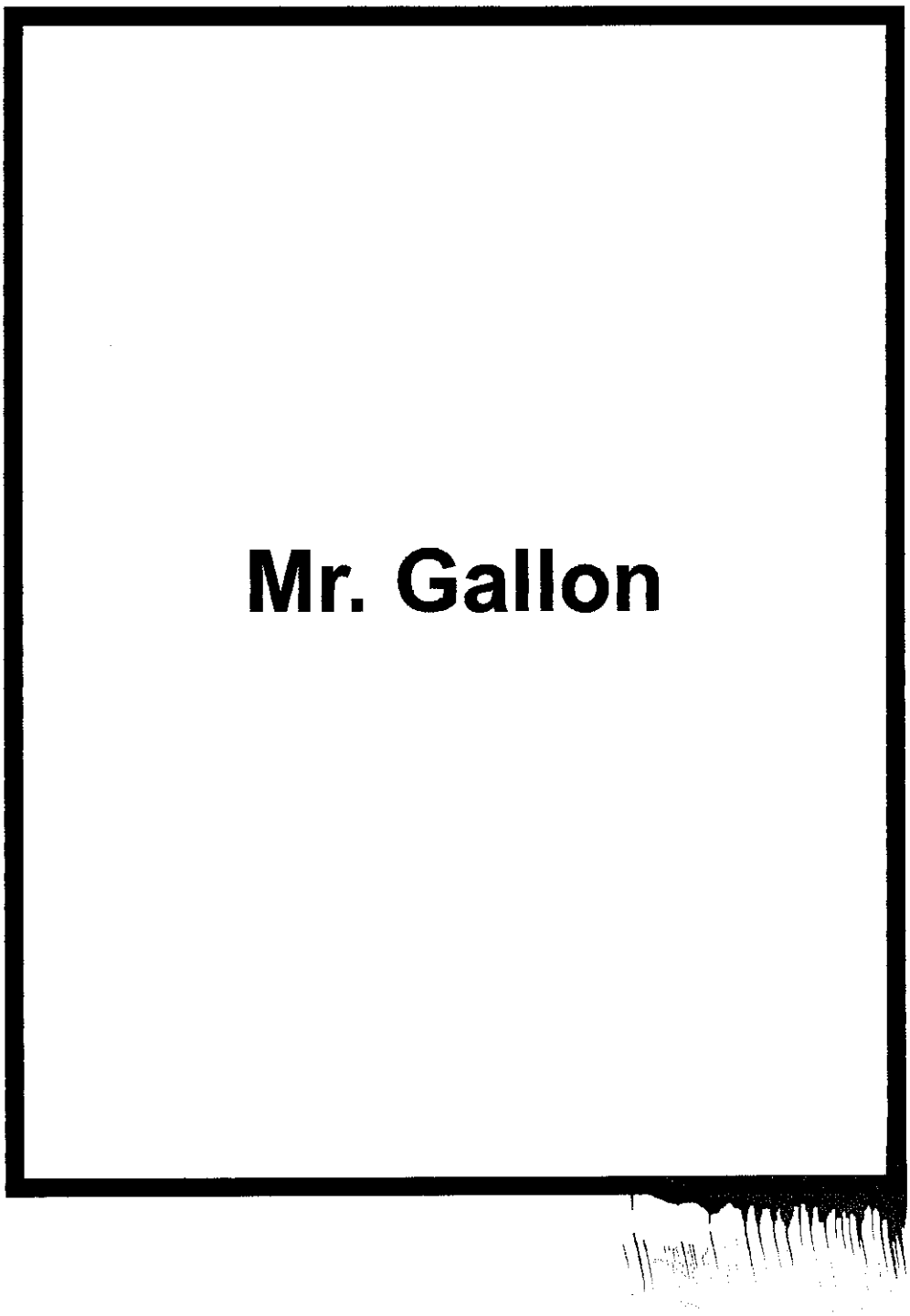
Mr. Gallon is a visual aid we use to learn and understand Customary Capacity Units. By studying Mr. Gallon, we can easily remember the number of each unit that makes up one gallon.

- As you can see in the diagram, Mr. Gallon is put together like a human body. Each portion of his body represents a measure, except his head.
- The torso represents the gallon which is the biggest part of the body and unit of capacity, to which everything is connected.
- Connected directly to the gallon are 4 quarts symbolizing arms and legs. This shows that 4 quarts equals a gallon.
- In a human body, the bottom portion of your arms and legs have two separate bones, and so does Mr. Gallon. Two pints are connected to each quart. Therefore, there are 2 pints in each quart and 8 pints in a gallon.
- The last part of Mr. Gallon are the fingers and toes which represent cups. The fingers are the smallest portion on the body, as cups are the smallest unit. Two cups are attached to each pint. Therefore, there are 16 cups in a gallon, 4 cups in a quart, and 2 cups in a pint.
- It may help some students to actually point to their own arms and legs as they learn the corresponding parts of Mr. Gallon. That way they will be able to remember the units even when they aren't looking at Mr. Gallon.

Mr. Gallon's Parts



Mr. Gallon's Parts



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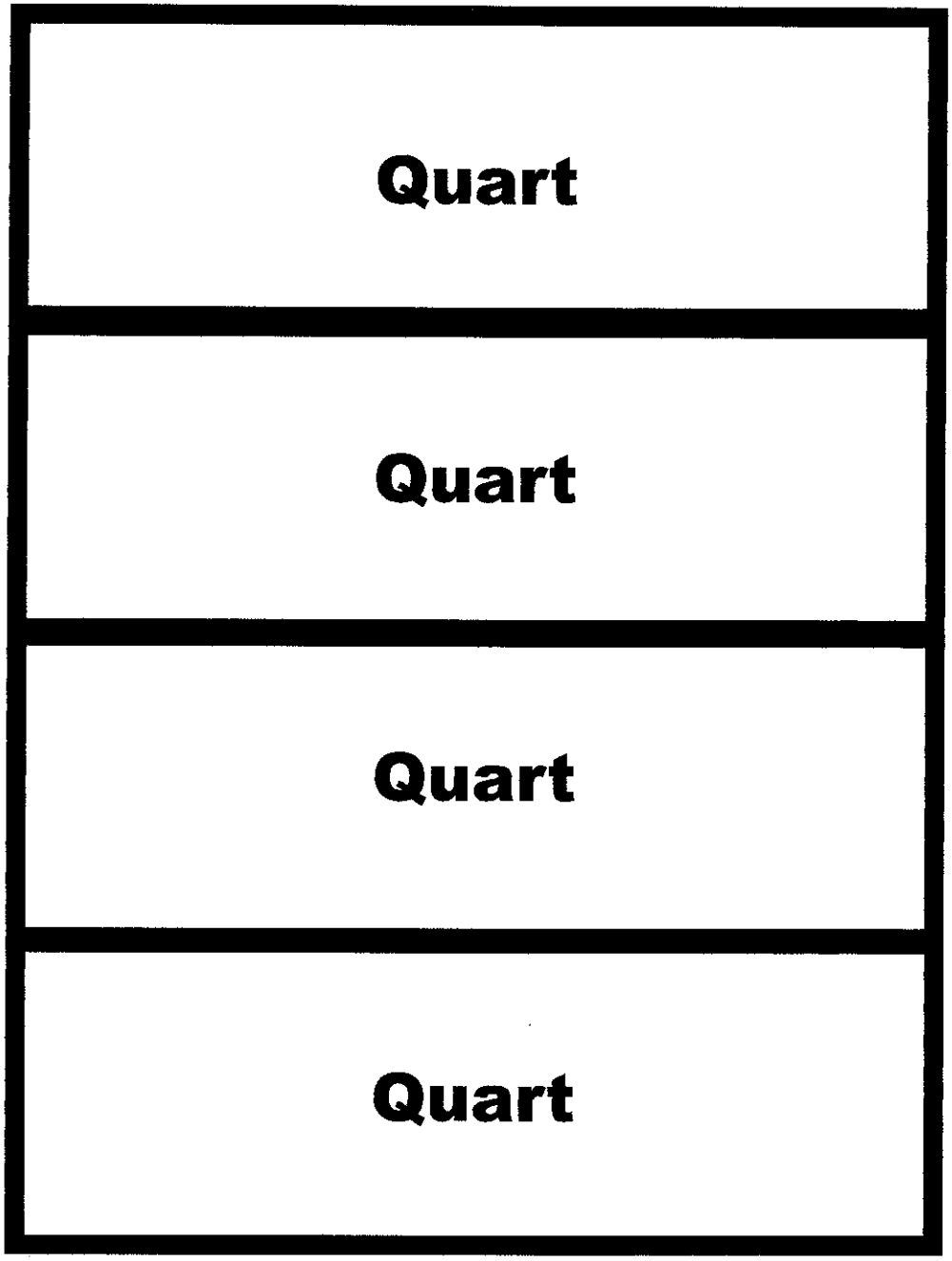
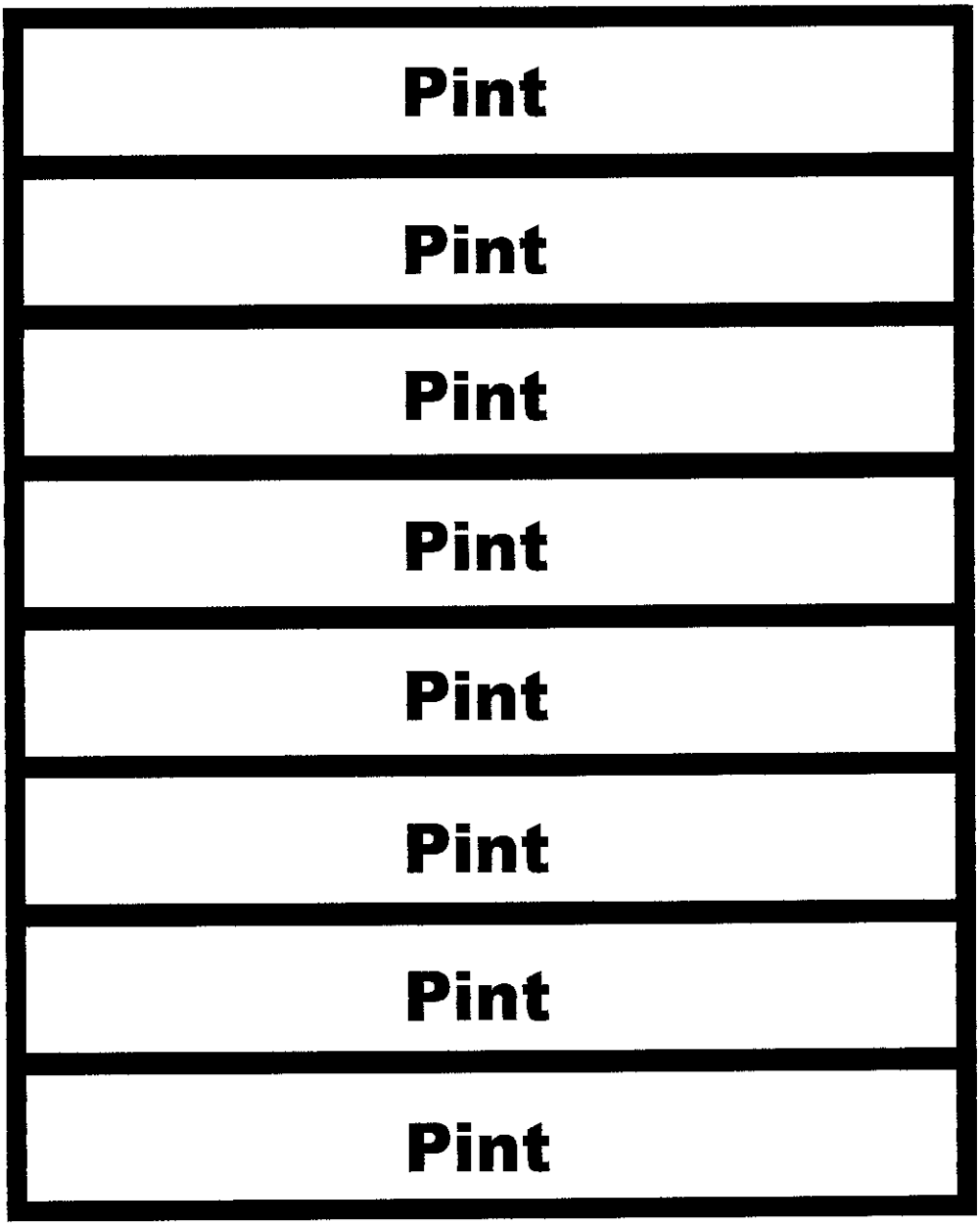


Mr. Gallon's Parts



Mr. Gallon's Parts

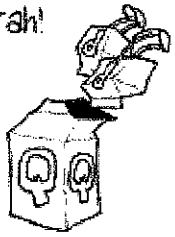
Cups	Cups
Cups	Cups
Cups	Cups
Cups	Cups

Cups	Cups
Cups	Cups
Cups	Cups
Cups	Cups

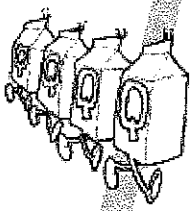
The Gallon Man

Tune: Ants Go Marching

Two pints go marching two by two, Hurrah! Hurrah!
Two pints go marching two by two, Hurrah! Hurrah!



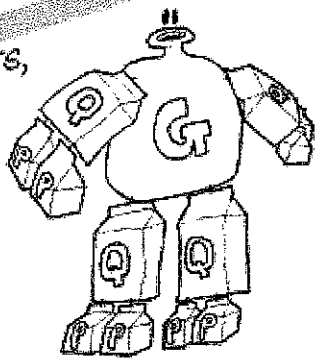
As doubles they plunge into a quart, standing so quiet,
as if they're in court...As they all go marching into
the chest to get out of the rain.



Four quarts go marching four by four, Hurrah! Hurrah!
Four quarts go marching four by four, Hurrah! Hurrah!

All four follow and slip inside, standing so close
as if they were tied...As they all go marching into
the chest to get out of the rain.

A gallon goes marching one by one, Hurrah! Hurrah!
A gallon goes marching one by one, Hurrah! Hurrah!



Add together eight pints or four quarts,
the total is always one gallon of course!
As they all go marching-equivalent-and-
dry-out of the rain.

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Mr. Gallon Activities

Before you begin this activity, each student should create a Mr. Gallon from the pattern pieces, following the directions on the Mr. Gallon Overview.. Discuss the overview sheet with your students and do a few simple problems (such as the ones on the activity sheets.) Sing the Mr. Gallon Song to provide further practice. Then give each team one Mr. Gallon Roundrobin activity sheet. Ask one person on the team to cut apart the cards and place them face down in the middle of the team. Have them go around the team, taking turns flipping over the top card and explaining the parts of Mr. Gallon. The other team members can give a thumbs up if they agree with the answer, or coach them to find the correct answer if they are wrong. For the Mr. Gallon Showdown, give one activity page per team and ask someone to cut apart the cards. This time the students will work the problems on their own at the same time. Each person will need a small white board, chalkboard, or a piece of paper. The first person on the team flips over the top card. Everyone works the problem on their board individually without talking. As team members finish, they place their boards face down in front of them. When everyone is ready, the leader says "Showdown" and everyone turns their boards face up to show their answers. They discuss their answers and the leader writes the team answer on the activity card. For each round, the role of leader rotates to the left.

Roundrobin Prompts

Explaining the Parts of Mr. Gallon

I know that there are _____ **quarts** in a **gallon** because. . .	I know that there are _____ **pints** in a **quart** because. . .
I know that there are _____ **cups** in a **pint** because. . .	I know that there are _____ **pints** in a **gallon** because. . .
I know that there are _____ **cups** in a **gallon** because. . .	I know that there are _____ **pints** in **2 quarts** because. . .
I know that there are _____ **cups** in **gallon** because. . .	I know that there are _____ **cups** in **3 pints** because. . .

Mr. Gallon Showdown

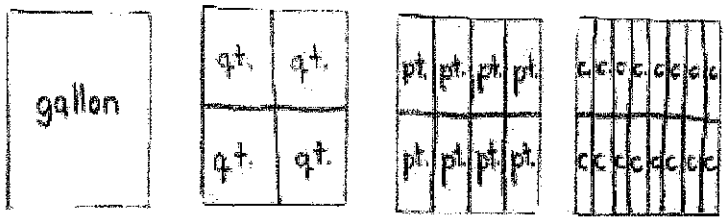
1 Quart = ___ Pints	1 Gallon = ___ Quarts
1 Pint = ___ Cups	4 Pints = ___ Cups
3 Quarts = ___ Pints	2 Pints = ___ Cups
12 Cups = ___ Pints	1 Gallon = ___ Cups
1 Gallon = ___ Cups	2 Gallons = ___ Quarts

Developed by Laura Candlers (Teaching Resources at http://home.att.net/~teaching)

Description:

To help the students learn/recognize the relationship between liquid measures, my class creates "Measurement Man." "Measurement Man" is easily made with the use of four (4) sheets of paper of the same size (I use four different colors):

- One sheet of paper is labeled "gallon."
- A second sheet of paper is folded into four parts and labeled "quart."
- A third sheet of paper is folded into eight parts and labeled "pint."
- The last sheet of paper is folded into 16 parts and labeled "cup."

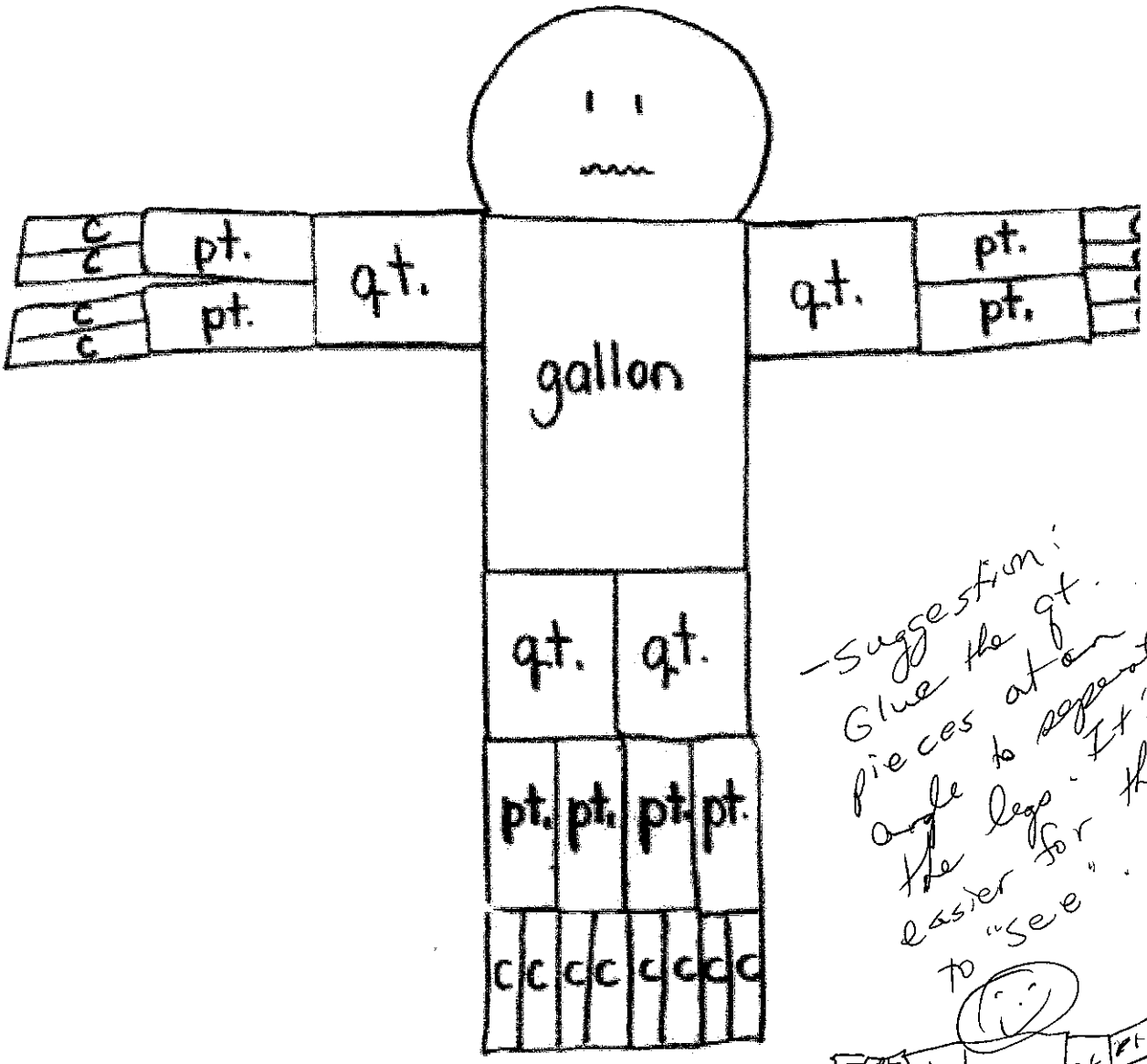


The students realize then that 1 gallon = 4 quarts = 8 pints = 16 cups

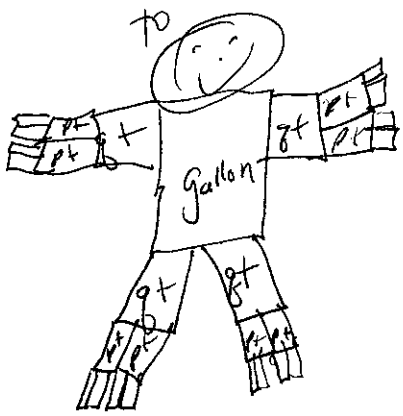
- Cut the pieces of paper on the folded lines.
- Put the pieces together, either by gluing or by using paper fasteners, to create the body, arms, legs, fingers, and toes of "Measurement Man."
- Add a head and the completed project represents the capacity measures of liquid volume.

***I have a large version of "Measurement Man" to hang in the classroom for students to view.

This is just a different set of directions for the same project. The students create their own pieces rather than running copies of patterns.



-Suggestion: Glue the qt. pieces at an angle to separate the legs. It's easier for them to "see".



Click HERE for easier printing of Measurement Man.

The Gallon Man

Complete the following. Use this after constructing the Gallon Man.

1. One gallon is equal to _____ quarts.
2. One gallon is equal to _____ pints.
3. One gallon is equal to _____ cups.
4. Four _____ is equal to _____ gallon.
5. Eight _____ is equal to ____ gallon.
6. Sixteen _____ is equal to ____ gallon.
7. One quart is equal to ____ pints.
8. One quart is equal to _____ cups.
9. Two _____ is equal to ____ quart.
10. Four _____ is equal to ___ quart.
11. One pint is equal to ___ cups.
12. Two cups is equal to ___ pint.

Which is more? Circle the correct answer.

1.	quart	cup
2.	pint	gallon
3.	quart	gallon
4.	cup	gallon
5.	pint	quart