Connections

> **Skills:** *Problem Solving*
> *Basic Math Facts*

1. "Connections" is an activity that calls upon your ability to solve problems. This activity is for one person or two groups. The worksheet is a 10 by 10 grid. This design allows for the placement of as many as 100 letters. Math words are the only acceptable ones. The math words are to be written with one letter per cell. The longest word will have ten letters. The least number of letters allowed in a math word is two.

2. Words can be written either horizontally or vertically. Words may also be placed using an existing letter from an already inscribed word.

3. Play for each participant or team begins with 100 points. The player will have a ten-minute time limit during which to record on his or her worksheet. When this time is exhausted, or when a player is satisfied with his or her play and decides that no additional words can be recorded, the player is to total up all of the spaces containing a letter. Each filled space is given the value of one point. When totaled, the filled spaces are subtracted from 100, and the player with the lowest score is the winner.

Example:

D	I	A	M	E	T	E	R		
I			U				A		
V			L		O	D	D		
I			T			I			
S			I	S		U			
I			P	U		S	U	M	
O			L	B				I	
N			Y	S	E	V	E	N	
				E				U	
		R	A	T	E			S	

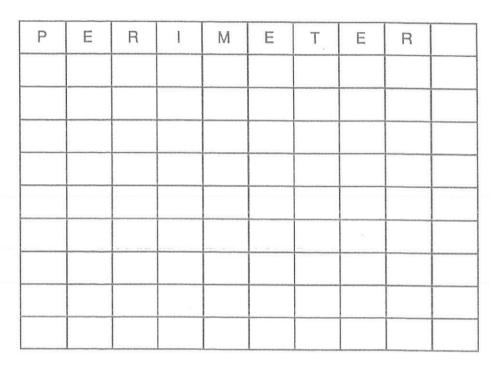In this example, letters occupy 47 cells.

Score for this example is 100 – 47 = 53.

Any number less than 53 would be a better score.

Connections continued

Practice your skills on the following problems below. Remember, you only have 10 minutes to fill in each grid.

Problem A

P	E	R	I	M	E	T	E	R	

Problem B

M	U	L	T	I	P	L	I	E	R