

Value of Words

Thank you for downloading the science and mathematics activity packet! Below you will find a list of contents with a brief description of each of the items. This activity packet contains all the information (including any handouts) you will need to run this activity in your own classroom or at a science festival.

Please note: some activities might require the need for a facilitator to be present to oversee the activity. Activities that require a facilitator will be clearly noted.

-Community Resources for Science



ACTIVITY PACKET CONTENTS

1. Organizer Instructions for the person running the activity
 - Print suggestion: 1 for the facilitator
 - Includes information for setup prior to the event (e.g., materials prep)
2. Participant Instructions (tabletop sign/printout)
 - Print suggestion: 1-2 to put in a plastic sign holder
3. Activity Printout(s) for participants
 - Print suggestion: number of expected participants, plus any extras for participants to take home
 - Printouts needed for participants to do the activity (e.g., cutout templates)



Value of Words

ORGANIZER INSTRUCTIONS

Grade(s): 2-4

Standard connections:

- **CCSS.Math.Practice.MP1** Make sense of problems and persevere in solving them
- **CCSS.Math.Practice.MP2** Reason abstractly and quantitatively
- **CCSS.Math.Content.2.OA.A.1** Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

Next Generation Science Standards: Science and Engineering Practices

- **Using Mathematics and Computational Thinking** Describe, measure, and/or compare quantitative attributes of different objects

Objective: Find the currency value of various words using addition

Activity overview and background: Student-directed or teacher-directed activity. An adult can dictate various words and have students find their values using the given chart, or students can perform the activity independently.

Materials:

- Letter chart
- Pen or pencil
- Paper for calculations, if needed

Setup:

1. Give each student a letter chart, pencil and paper for calculations
2. Use the letter chart with corresponding currency amounts to find the value of given letters
3. Add letter values together to find total word values
4. Compare values for different words



Instructions

Give each letter of the alphabet a value, as follows:

A = \$1	J = \$10	S = \$19
B = \$2	K = \$11	T = \$20
C = \$3	L = \$12	U = \$21
D = \$4	M = \$13	V = \$22
E = \$5	N = \$14	W = 23
F = \$6	O = \$15	X = \$24
G = \$7	P = \$16	Y = \$25
H = \$8	Q = \$17	Z = \$26
I = \$9	R = \$18	

1. Use the letter chart to see how much each letter is worth
2. Add together letter values to find total values for words
3. Solve the problems below
 - *Find the value of your first name and your last name*
 - *Find a word worth exactly \$100*
 - *Which word is more valuable, “diamonds” or “silver?”*

Version 2

Give each letter of the alphabet a value, as follows:

\$1

\$2

\$3

\$4

\$5

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	A	T
U	V	W	X	Y/Z

- *Find the value of your name*
- *Find a word worth \$25*
- *Which has a higher value, the word “dolphin” or “school”?*