

Solves Problems

This task assesses your **problem-solving** ability. You will show your best work when you:

- *Read the task completely before starting.*
- *Show your work in words and numbers.*
- *Check your solutions.*
- *Review the reflections section after you complete the task.*

Garage Sale! DJ bought 2 items at a garage sale. DJ paid for them with a \$10 bill. The change was \$3.00.

How much money did DJ spend?



I know DJ spent _____ because _____

Solves Problems: Garage Sale continued ...

DJ bought only 2 items and received \$3.00 in change. Use words and number sentences to show the ways DJ could have spent the money.

Garage Sale Items	Cost
Jacket 	\$3.00
Ball 	\$1.50
Teddy Bear 	\$4.00
Book 	\$2.50
Bike 	\$4.50

Reflections

My response is good because I ...

- found how much money DJ spent;
- used information from the table to find the ways DJ could have spent money on only 2 items;
- showed my work using words and numbers;
- wrote my answers in the space provided.

2002 Math Power Scoring Guide: Garage Sale • Solves Problems • Grade 3

	Criteria	4 Points <i>very fine work</i>	3 Points <i>fully acceptable work</i>	2 Points <i>partially acceptable</i>	1 Point <i>response attempted</i>	0 Points <i>none or insufficient</i>
Compute	Does the student determine that \$7.00 is the amount DJ spent?	<ul style="list-style-type: none"> Accurately determines that \$7.00 is the amount DJ spent; AND 	<ul style="list-style-type: none"> Accurately determines that \$7.00 is the amount DJ spent; AND 	<ul style="list-style-type: none"> Accurately determines that \$7.00 as the amount DJ spent; AND 	<ul style="list-style-type: none"> May not determine that \$7.00 as the amount DJ spent; AND 	<ul style="list-style-type: none"> Shows no attempt or shows major arithmetic misconceptions; OR
Analyze Data	Does the student identify two ways that DJ could have spent \$7.00?	<ul style="list-style-type: none"> Accurately identifies both combinations of items that total \$7.00; AND 	<ul style="list-style-type: none"> Accurately identifies both combinations of items that total \$7.00 and includes no inaccurate combinations beyond the 3-item combination (jacket/ball/book) that totals \$7.00; AND 	<ul style="list-style-type: none"> Identifies at least one accurate combination that totals \$7.00 or finds only one solution that totals \$7.00, but includes 3 items or clearly shows addition of item values and totals of \$7.00, but does not identify what was purchased; AND 	<ul style="list-style-type: none"> Uses an inaccurate "total spent" to determine solution(s) or no accurate combinations are recorded; AND 	<ul style="list-style-type: none"> Solution is missing or shows major arithmetic misconceptions; OR
Support	Does the student use words and number sentences to support two accurate combinations of items?	<ul style="list-style-type: none"> Uses words and number sentences to clearly support item values and verify totals for each combination and explanation includes accurate labels as appropriate (e.g., \$, "dollars"). 	<ul style="list-style-type: none"> Uses words or number sentences to support solutions beyond the identification of items. 	<ul style="list-style-type: none"> Attempts to support the solution or support is missing. 	<ul style="list-style-type: none"> Attempts to support the solution, but major errors are present or support is missing. 	<ul style="list-style-type: none"> Support is missing or unrelated to identifying combinations of items purchased.

Solution Notes:

Numerical Part of the Answer: DJ spent \$7.00

Possible combinations of two items: Jacket and teddy bear ($\$3.00 + \$4.00 = \$7.00$)
 Bike and book ($\$4.50 + \$2.50 = \$7.00$)