

Algebra I EOI: A.2 - The student will identify dependent/independent variables.

This activity is designed to allow students to identify the dependent and independent variables in an equation.

There are two levels of difficulty:

Level I: Provides color cues

Level II No color cues

Instructions:

Make sure Boardmaker is in Design mode (press CTRL + D or ESC to change to Design mode).

Print the worksheets and manipulatives needed for your student (*not all students will need the manipulatives. Encourage your student to write if they are able

Allow student to cut apart manipulatives and/or cut them out for the student.

Allow the student to tape, glue or otherwise place/write the manipulative in the correct spot on the worksheet.

**For students with physical disabilities, you can place the manipulatives on a communication device, have an assistant point to an answer box on the worksheet and ask the student to choose the correct answer from their communication device. The assistant then moves the student's choice to the diagram and secures it in place (velcro, tape, glue). You can also use the high tech version of this activity which is modified for switch access.

**You can also print and laminate the worksheet and manipulatives and use velcro to create an activity that can be used over and over by multiple students. You will need approximately 30" hard/hook velcro and 10" soft velcro to assemble all six worksheets.

This activity was created by Stefanie Olson (stefanie-olson@ouhsc.edu)

Name _____

QUESTION

Shirley buys 1 candy bar. How much does she owe?

Solve your problem:

Shirley

+

CANDY

INDEPENDENT OR DEPENDENT

=

MONEY

INDEPENDENT OR DEPENDENT

QUESTION

James buys 2 candy bars. How much does he owe?

Solve your problem:

James

+

CANDY

INDEPENDENT OR DEPENDENT

=

MONEY


INDEPENDENT OR DEPENDENT

Name _____

QUESTION

  **4**  How much  

Solve your problem:

 + =


CANDY **MONEY**

INDEPENDENT OR DEPENDENT INDEPENDENT OR DEPENDENT

QUESTION

  **3**  How much  

Solve your problem:

 + =

CANDY **MONEY**

INDEPENDENT OR DEPENDENT INDEPENDENT OR DEPENDENT

Name _____

QUESTION

Coach Parker buys 5 candy bars. How much does he owe?

Solve your problem:

Coach Parker

+

=

CANDY

MONEY

INDEPENDENT
OR
DEPENDENT

INDEPENDENT
OR
DEPENDENT

Name _____

QUESTION



Shirley



buys

1



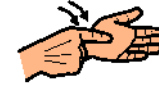
candy bar.



How much



does she



owe?

Solve your problem:

Shirley



+

CANDY

INDEPENDENT
OR
DEPENDENT

=

MONEY

INDEPENDENT
OR
DEPENDENT

QUESTION



James



buys

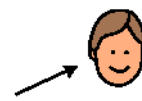
2



candy bars.



How much



does he



owe?

Solve your problem:

James



+

CANDY

INDEPENDENT
OR
DEPENDENT

=

MONEY

INDEPENDENT
OR
DEPENDENT

Name _____


QUESTION

  **4**    

Solve your problem:

CANDY

MONEY

 + =

INDEPENDENT OR DEPENDENT

INDEPENDENT OR DEPENDENT


QUESTION

  **3**    

Solve your problem:

CANDY

MONEY

 + =

INDEPENDENT OR DEPENDENT

INDEPENDENT OR DEPENDENT

Name _____


QUESTION

Solve your problem:

CANDY

MONEY

Coach Parker












+











=

INDEPENDENT
OR
DEPENDENT

INDEPENDENT
OR
DEPENDENT

Manipulatives

CANDY	 \$1.00	 \$1.00	 \$1.00	 \$1.00	 \$1.00
MONEY	 \$1.00	 \$2.00	 \$3.00	 \$4.00	 \$5.00
Identify Variable	INDEPENDENT VARIABLE		the value that we can change		
	DEPENDENT VARIABLE		the value that is determined by the independent variable		

CANDY	 \$1.00	 \$1.00	 \$1.00	 \$1.00	 \$1.00
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