REPRODUCIBLES

R3-1 MATCHING ACTIVITY: NUTS!

Note: Each column below has four equivalent representations. Cut into 16 cards for students to match. (Note: The error in the "Mixed Nuts" table is intentional.)

TRAIL MIX 2 pounds for $12.00		**CHOCO NUTS** 4 pounds for $10.00		**MIXED NUTS** 3 pounds for $9.00		**FRUIT 'N NUTS** $\frac{1}{2}$ pound for $1.75	
# of lbs	**price in $**	**# of lbs**	**price in $**	**# of lbs**	**price in $**	**# of lbs**	**price in $**
2	12	2	5	2	6	2	7
4	24	4	10	4	16	4	14
0.5	3	0.5	1.25	0.5	1.5	0.5	1.75
1	6	1	2.5	1	3	1	3.5
Unit Rate $6 per pound		**Unit Rate** $2.50 per pound		**Unit Rate** $3.00 per pound		**Unit Rate** $3.50 per pound	
Equation Let x = # of lbs and y = price in $ $y = 6x$		**Equation** Let x = # of lbs and y = price in $ $y = 2.5x$		**Equation** Let x = # of lbs and y = price in $ $y = 3x$		**Equation** Let x = # of lbs and y = price in $ $y = 3.5x$	

R3-2 MATCH AND COMPARE SORT CARDS: PROPORTIONAL RELATIONSHIPS

I △ INDEPENDENT VARIABLE	I ◯ DEPENDENT VARIABLE
II △ UNIT RATE	II ◯ UNIT PRICE
III △ PROPORTIONAL RELATIONSHIP	III ◯ CONSTANT OF PROPORTIONALITY
IV △ INPUT-OUTPUT RULE	IV ◯ EQUATION
A △ ✓ the graph of one of these is a straight line through the origin ✓ the values of all ordered pairs are some constant multiple of the values of any other, like (2, 5), (4, 10), and (8, 20)	A ◯ ✓ a statement that asserts that two expressions are equal ✓ example: 20 = 15 + 5
B △ ✓ an equation that establishes a specific output value for each input value ✓ example: $y = 2.5x$	B ◯ ✓ in a proportional relationship described by the equation $y = 3x$, it is 3 ✓ The unit rate in a proportional relationship
C △ ✓ the value of a ratio ✓ example: 45 miles per hour	C ◯ ✓ a variable whose value is determined by the values of the independent variable ✓ typically, the output
D △ ✓ a variable whose value may be specified ✓ typically, the input	D ◯ ✓ the price for one unit of measure ✓ example: $1.10 per orange