

Name _____

Date _____ Pd. _____

Notes: Elimination Using Multiplication Day 2

Method	The Best Time to Use
Graphing	
Substitution	
Elimination Using Addition	
Elimination Using Subtraction	
Elimination Using Multiplication	

Example

Determine the best method to solve the system of equations. Then solve the system.

$$6x + 2y = 20$$

$$-2x + 4y = -16$$

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Exit Card: Elimination Using Multiplication Day 2

The Jones family and the Smith family went to a National Park. The Jones family had 5 adults and 4 children and paid \$55 to enter. The Smith family had 2 adults and 4 children and paid \$34 to enter. How much does it cost for one child to enter the park?

- A. \$4 B. \$5 C. \$6 D. \$7

At a food store, two customers bought the following:

Customer	Cans of Beans	Packages of Noodles	Total Price
A	4	3	\$ 9.77
B	2	1	\$ 4.09

Based on this information, what is the price, in dollars and cents, of one package of noodles?

	/	/	/	
•	•	•	•	•
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

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16.
$$\begin{cases} 4x - 3y = 12 \\ x + 2y = 14 \end{cases}$$

17.
$$\begin{cases} 5x - 2y = -15 \\ 3x + 8y = 37 \end{cases}$$

18.
$$\begin{cases} 8x - 3y = -11 \\ 2x - 5y = 27 \end{cases}$$

27.
$$\begin{cases} 3x - 4y = -10 \\ 5x + 8y = -2 \end{cases}$$

$$28. \begin{cases} 9x - 8y = 42 \\ 4x + 8y = -16 \end{cases}$$

$$29. \begin{cases} y = 3x \\ 3x + 4y = 30 \end{cases}$$