

Essential Outcome	Lesson/Video	Practice Questions
Understand and use inverse operations	Introduction Video https://www.youtube.com/watch?v=pbDIT3SFXwY	1. Worksheet 1 (provided below) 2. Worksheet 2 (provided below)
Understand how to isolate a variable	Introduction Video https://www.youtube.com/watch?v=DhNwl_hWoZw	1. Worksheet 3 (provided below)

6.EE.7

Inverse Operations Safecracker

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The infamous prankster Ollie Opposite has hidden your prized possession in this safe. The culprit left you a clue to unlocking the safe. The clue is in code. You must use inverse operations to crack the code. Do these practice problems to get ready.

Remember: Inverse operations “undo” each other.

Addition \longleftrightarrow Subtraction
 Multiplication \longleftrightarrow Division

Use inverse operations to fill in the missing digits.

$$\begin{array}{r} 1. \quad 674 \\ + \square 1 \square \\ \hline 889 \end{array}$$

$$\begin{array}{r} 2. \quad 57 \\ - \square 2 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 3. \quad 223 \\ + \square 1 \square \\ \hline 838 \end{array}$$

$$\begin{array}{r} 4. \quad 492 \\ - \square \square 1 \\ \hline 261 \end{array}$$

$$\begin{array}{r} 5. \quad 12 \\ \cdot \square \\ \hline 36 \end{array}$$

$$\begin{array}{r} 6. \quad \begin{array}{r} 1 \square \\ 4 \overline{) 48} \\ \underline{4} \\ 08 \\ \underline{8} \\ 0 \end{array} \end{array}$$

$$\begin{array}{r} 7. \quad 22 \\ \cdot \square \\ \hline 88 \end{array}$$

$$\begin{array}{r} 8. \quad \begin{array}{r} 3 \square \\ 3 \overline{) 96} \\ \underline{9} \\ 06 \\ \underline{6} \\ 0 \end{array} \end{array}$$

Worksheet 3 :

Circle the examples below where the variable is isolated:

$5x = 10$

$3 + m = 368$

$b = 17$

$12 = 2y$

$11 = n$

$\frac{x}{16} = 2$

$24 = 4p$

$x = 865$

$r + 657 = 650$

$189 = d$

$70 = 7x$

$z = 13$

State what operation you would do to isolate the variable in the examples below:

$5x = 10$

$3 + m = 368$

$b = 17$

$12 = 2y$

$11 = n$

$\frac{s}{16} = 2$

$24 = 4p$

$x = 865$

$r + 657 = 650$

$189 = d$

$70 = 7x$

$z = 13$

Solutions to Worksheets :

Worksheet 1 :

Missing Digits : 2 & 5	Missing Digits : 1
Missing Digits : 6, 5	Missing Digits : 2, 3
Missing Digits : 3	Missing Digits : 2
Missing Digits : 4	Missing Digits : 2

Worksheet 2 :




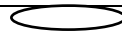
The Combination : 13 - 43 - 20 - 45 - 3 - 11 - 19 - 37 - 28 - 16 - 18 - 24 - 20 - 5 - 7

Worksheet 3 :

Circle the examples below where the variable is isolated:

State what operation you would do to isolate the variable in the examples below:

$\div 5$	- 3		$\div 2$
	$\times 16$	$\div 4$	
- 657		$\div 7$	