

## MAT.08.TE.1.000EE.B.144

Sample Item ID:	<b>MAT.08.TE.1.000EE.B.144</b>
Grade:	08
Claim(s):	<b>Claim 1: Concepts and Procedures</b> Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	<b>1 B:</b> Work with radicals and integer exponents.
Content Domain:	Equations and Expressions
Standard(s):	8.EE.2
Mathematical Practice(s):	1, 2, 4, 5, 7, 8
DOK:	1
Item Type:	TE
Score Points:	1
Difficulty:	L
Key:	See TE Information.
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	Click and drag functionality will be adapted to a tab functionality for accessibility considerations.
Notes:	The item should prevent students from using numbers more than once. Calculators may not be used on this item.

Use the numbers shown to make the equations true. Each number can be used only once. To use a number, drag it to the appropriate box in an equation.

4	8	10	64	100	1,000
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$$\sqrt{\boxed{\phantom{000}}} = \boxed{\phantom{000}}$$

$$\sqrt[3]{\boxed{\phantom{000}}} = \boxed{\phantom{000}}$$

*Key:*

See TE Information.

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**Template:** Select and Order

**Interaction Space Parameters:**

- A. An image with the four rectangles. (The rectangle under the square root symbol will be considered 1, the rectangle equal to the square root of the number in rectangle 1 will be considered 2, the rectangle under the cube root symbol will be considered 3, and the rectangle equal to the cube root of the number in rectangle 3 will be considered 4.)
- B. Six images of numbers.

**Scoring Data:**

$\{64,8,1000,10\}=1$

$\{100,10,64,4\}=1$