

American Truck and Rail Audits, Inc.

January 2017 Brain Teaser

The Math Path

One number is the common factor between the below three statements.
Determine what the number is by solving the equation below:

- Interstate 44: a freeway that runs from Texas to Missouri
- U.S. Route 44: a highway that runs from New York to Massachusetts
- Pennsylvania Route 44: a long state highway in Pennsylvania

$$\text{Truck} + \text{Truck} + \text{Truck} = 30$$

$$\text{Truck} + \text{Train} + \text{Train} = 18$$

$$\text{Train} - \text{AMTR} = 2$$

$$\text{AMTR} + \text{AMTR} + \text{Truck} \times \text{Train} = ?$$

$$\text{Truck} = 10$$

$$\text{AMTR} = 2$$

$$\text{Train} = 4 \quad ? = 44$$