CLT Two-Step Equations

Equation → $6x = 12$

$2x + 4x = 12$

$6x = 12$

$\cdot 6$

2	12

← what problem Equals

$12 \div 6$

$\div 6$

Inverse = opposite

$x = 2$

Check Answer (in original)

$2(2) + 4(2) = 12$

$4 + 8 = 12$

$12 = 12$ ✓

$2x + 4x = 12$

$\frac{6x}{6} = \frac{12}{6}$

$x = \frac{12}{6}$

$\boxed{x = 2}$

Vertical Method

Not same

$6 \div 6x$

$6x = 12$

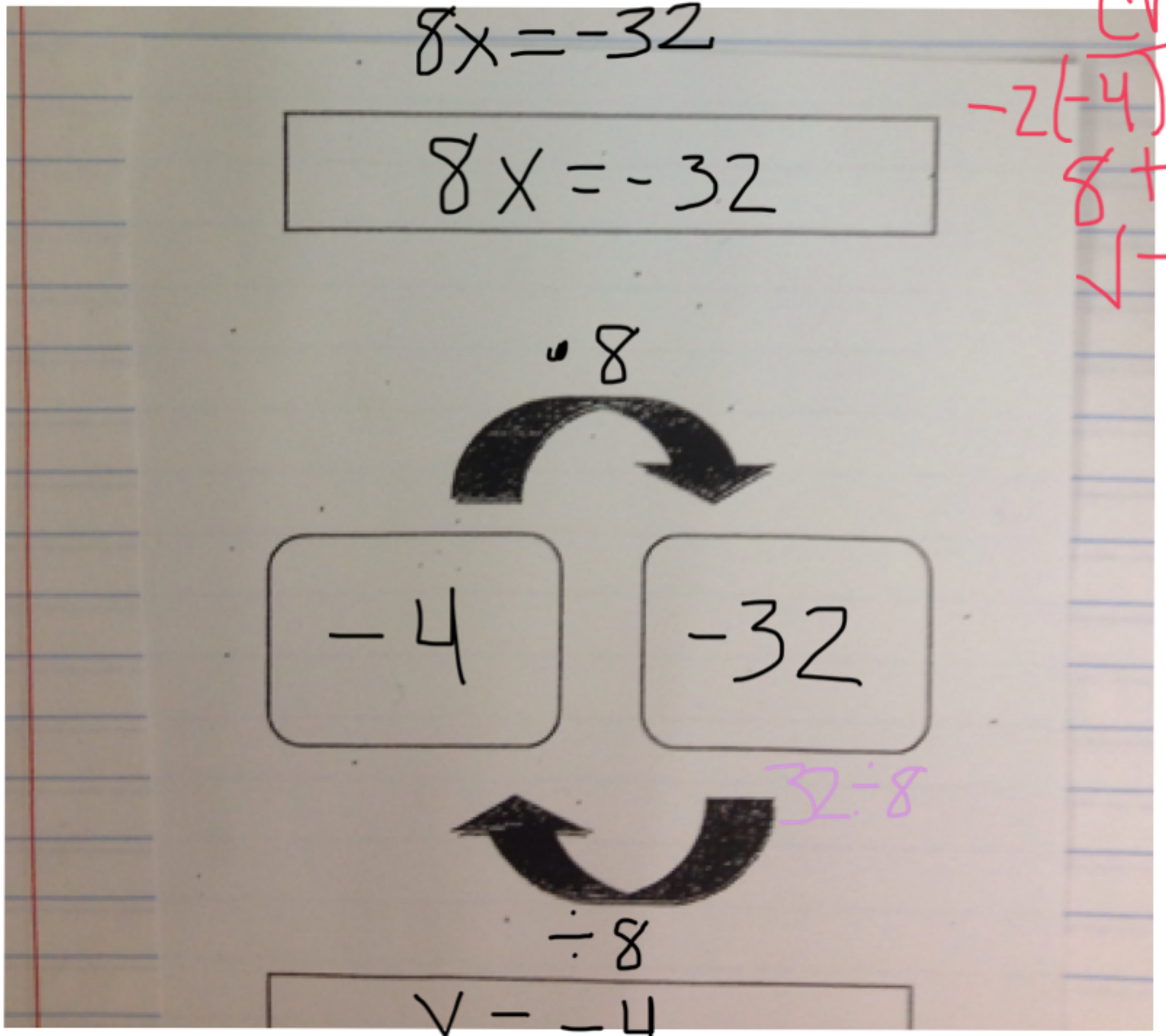
$6x \div 6 = 12 \div 6$

$\boxed{x = 2}$

Horizontal Method

$$-2x+10x=-32$$

$$8x=-32$$



check

$-2(-4)+10(-4)=32$

$8+(-40)=-32$

$\sqrt{-32=-32}$

$$4.3x + .2x = 9$$

$$\underline{4.5x = 9}$$

$$4.$$

Vertical Method

Variable = unKnown

Inverse = opposite