

# Problem Of the Day

8/29

Find the GCF of 22 and 10

$$\begin{array}{r} 22 \\ \overline{) 22} \\ 22 \\ \hline 0 \end{array} \quad \begin{array}{r} 10 \\ \overline{) 10} \\ 10 \\ \hline 0 \end{array}$$

# DISTRIBUTIVE PROPERTY -

To multiply a sum by a number, multiply each addend by the number outside of the parentheses!

2 and 4

$$\cdot \# (\# + \#)$$

$$\begin{aligned} & 2(7+4) = \\ & (2 \times 7) + (2 \times 4) \\ & 14 + 8 \\ & \textcircled{22} \end{aligned}$$

$$\begin{aligned} & a(b+c) \\ & (a \times b) + (a \times c) \end{aligned}$$

## FACTOR EACH EXPRESSION

1.  $9 + 21$   $9 \div 3$   $21 \div 3$

$$3(3 + 7)$$

check  $(3 \times 3) + (3 \times 7)$

$$\checkmark 9 + 21$$

3.  $80 + 56$   $80 \div 8$   $56 \div 7$

$$8(10 + 7)$$

$(8 \times 10) + (8 \times 7)$

$$\checkmark 80 + 56$$

1. Find a common factor of the addends

2. Divide your addends by the comm-factor on

2.  $14 + 28$   $14 \div 7$   $28 \div 7$

$$7(2 + 4)$$

$14 \div 2$   $28 \div 2$   $28 \div 7$

$$2(7 + 14)$$

4.  $18 + 9$

$$3(6 + 3)$$

