

# HALLOWEEN NUMBER PUZZLE

What is the value of each object?

$$\begin{array}{rclclcl}
 & & \text{ghost} & + & \text{flame} & = & 24 \\
 \text{ghost} & + & \text{ghost} & + & \text{grave} & = & 34 \\
 \text{flame} & - & \text{flame} & + & \text{flame} & = & 10 \\
 \text{flame} & - & 10 & + & \text{flame} & = & 10 \\
 \text{flame} & + & \text{flame} & + & \text{ghost} & = & 34 \\
 \text{grave} & + & \text{flame} & + & \text{ghost} & = & 30
 \end{array}$$

$$\text{ghost} = 14 \quad \text{flame} = 10 \quad \text{grave} = 6$$

$$\begin{array}{rclclcl}
 \text{hand} & - & \text{hand} & + & \text{hand} & = & 12 \\
 \text{hand} & + & \text{key} & + & \text{key} & = & 30 \\
 7 & + & \text{knife} & + & \text{knife} & = & 21 \\
 \text{hand} & - & \text{hand} & + & \text{knife} & = & 7 \\
 \text{key} & - & \text{hand} & + & \text{knife} & = & 4 \\
 \text{hand} & - & \text{knife} & + & \text{key} & = & 14
 \end{array}$$

$$\text{key} = 9 \quad \text{knife} = 7 \quad \text{hand} = 12$$