

# HALLOWEEN NUMBER PUZZLE

What is the value of each object?

$$\begin{array}{rclclcl}
 & & \text{skull} & + & \text{witch} & = & 22 \\
 \text{skull} & + & \text{broom} & + & \text{witch} & = & 28 \\
 \text{skull} & - & \text{broom} & + & \text{broom} & = & 8 \\
 \text{witch} & + & \text{skull} & + & 6 & = & 28 \\
 \text{skull} & - & \text{broom} & + & \text{broom} & = & 8 \\
 \text{broom} & - & \text{witch} & + & \text{skull} & = & 0
 \end{array}$$

$$\text{skull} = 8 \quad \text{witch} = 14 \quad \text{broom} = 6$$

$$\begin{array}{rclclcl}
 \text{cat} & - & \text{mummy} & + & \text{ghost} & = & 1 \\
 \text{ghost} & - & \text{mummy} & + & \text{cat} & = & 1 \\
 \text{ghost} & - & 7 & + & \text{cat} & = & 5 \\
 \text{mummy} & + & \text{mummy} & + & \text{ghost} & = & 29 \\
 \text{cat} & + & \text{ghost} & + & \text{mummy} & = & 23 \\
 \text{cat} & + & \text{ghost} & + & \text{mummy} & = & 23
 \end{array}$$

$$\text{mummy} = 11 \quad \text{ghost} = 7 \quad \text{cat} = 5$$