

# HALLOWEEN NUMBER PUZZLE

What is the value of each object?

$$\begin{array}{rclclcl}
 & & \text{ghost} & + & \text{mummy} & = & 16 \\
 \text{ghost} & + & \text{witch} & + & \text{mummy} & = & 21 \\
 \text{witch} & + & \text{mummy} & + & \text{ghost} & = & 21 \\
 \text{ghost} & - & \text{ghost} & + & 5 & = & 5 \\
 \text{ghost} & - & \text{witch} & + & \text{ghost} & = & 13 \\
 \text{witch} & + & \text{mummy} & + & \text{ghost} & = & 21
 \end{array}$$

$$\text{ghost} = 9 \quad \text{mummy} = 7 \quad \text{witch} = 5$$

$$\begin{array}{rclclcl}
 \text{crystal ball} & + & \text{bat} & + & \text{crystal ball} & = & 35 \\
 \text{crystal ball} & - & \text{key} & + & \text{key} & = & 12 \\
 11 & - & \text{key} & + & \text{bat} & = & 12 \\
 \text{key} & + & \text{key} & + & \text{bat} & = & 31 \\
 \text{crystal ball} & - & \text{bat} & + & \text{crystal ball} & = & 13 \\
 \text{crystal ball} & - & \text{bat} & + & \text{key} & = & 11
 \end{array}$$

$$\text{key} = 10 \quad \text{bat} = 11 \quad \text{crystal ball} = 12$$