

ANSWERS



Maths Focus: Logical thinking, finding unknowns/algebra, inverse operations and calculation

Helpful Hints: use the clues given in order. Each number sentence will tell you something new about the values of the images. Doing the inverse operation may help you to solve some of them.

Level 1	Level 2	Level 3
<p>Izzy has some number sentences but the numbers have been replaced with Star Wars images. Each Star Wars image represents a number.</p> $\begin{aligned} \text{Darth Vader} + \text{Darth Vader} &= 6 \\ \text{C-3PO} + \text{Darth Vader} &= 5 \\ \text{C-3PO} + \text{Obi-Wan Kenobi} &= 10 \end{aligned}$ <p>1. What value does each image represent?</p> $\begin{aligned} \text{Obi-Wan Kenobi} &= 8 \\ \text{Darth Vader} &= 3 \\ \text{C-3PO} &= 2 \end{aligned}$	<p>Izzy has some number sentences but the numbers have been replaced with Star Wars images. Each Star Wars image represents a number.</p> $\begin{aligned} \text{Darth Vader} + \text{Darth Vader} &= 10 \\ \text{Darth Vader} + \text{Obi-Wan Kenobi} &= 12 \\ \text{C-3PO} + \text{Obi-Wan Kenobi} &= 17 \\ \text{Obi-Wan Kenobi} - \text{Darth Vader} &= ? \end{aligned}$ <p>2. What value does each image represent?</p> $\text{Obi-Wan Kenobi} = 7 \quad \text{Darth Vader} = 5 \quad \text{C-3PO} = 10$ <p>3. What is the value of the final number sentence? $7 - 5 = 2$</p>	<p>Izzy has some number sentences but the numbers have been replaced with Star Wars images. Each Star Wars image represents a number.</p> $\begin{aligned} \text{Darth Vader} + \text{Darth Vader} + \text{Darth Vader} &= 42 \\ \text{Obi-Wan Kenobi} + \text{R2-D2} &= 17 \\ \text{Darth Vader} &= \text{Obi-Wan Kenobi} \\ \text{C-3PO} &= \text{R2-D2} \times \text{R2-D2} \\ \text{Obi-Wan Kenobi} + \text{R2-D2} + \text{C-3PO} &= ? \end{aligned}$ <p>1. What does each image represent?</p> $\text{Obi-Wan Kenobi} = 14 \quad \text{Darth Vader} = 14 \quad \text{C-3PO} = 9 \quad \text{R2-D2} = 3$ <p>2. What is the value of the final number sentence? $14 + 3 + 9 = 26$</p>