**Answers:**

**The given numerical expressions are solved in two different ways. Which solution is correct and why?**

|  |  |  |
| --- | --- | --- |
| **1.** | **Solution A**$$\left(9+5\right)÷\left(7-5\right)+2×4$$$$14÷\left(7-5\right)+2×4$$$$14÷2+2×4$$$$7+2×4$$$$7+8$$$$15$$ | **Solution B**$$\left(9+5\right)÷\left(7-5\right)+2×4$$$$14÷\left(7-5\right)+2×4$$$$14÷2+2×4$$$$7+2×4$$$$9×4$$$$36$$ |

Solution A is the correct answer because it followed the PEMDAS rule.

|  |  |  |
| --- | --- | --- |
| 2. | **Solution A**$$32÷\left(8×2\right)+[\left(10-2\right)+5]$$$$32÷16+[\left(10-2\right)+5]$$$$32÷16+[8+5]$$$$32÷16+13$$$$2+13$$$$15$$ | **Solution B**$$32÷\left(8×2\right)+[\left(10-2\right)+5]$$$$32÷\left(8×2\right)+[8+5]$$$$32÷8×2+13$$$$4×2+13$$$$8+13$$$$21$$ |

Solution A is the correct answer because it followed the PEMDAS rule.

|  |  |  |
| --- | --- | --- |
| 3. | **Solution A**$$\left[\left(90+9\right)÷11-2\right]×4-6$$$$\left[99÷11-2\right]×4-6$$$$\left[99÷9\right]×4-6$$$$11×4-6$$$$44-6$$$$38$$ | **Solution B**$$\left[\left(90+9\right)÷11-2\right]×4-6$$$$\left[99÷11-2\right]×4-6$$$$\left[9-2\right]×4-6$$$$7×4-6$$$$28-6$$$$22$$ |

Solution B is the correct answer because it followed the PEMDAS rule.