WONDERLEARNERZ PRIMARY ACADEMY â€" OFFICIAL ANSWER KEY & MARKING SCHEME

Patterns - Worksheet 3 [ANSWER KEY]

Grade 2 | Mathematics | Ch 12: Patterns | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter 'Patterns', calculate: 37 + 31 = ? [1 Mark]

Correct Answer: 68

Explanation: 37 + 31 = 68.

Q2. Calculate: 68 - 31 = ? [1 Mark]

Correct Answer: 37

Explanation: 68 - 31 = 37.

Q3. Which comparison is correct: 68 [?] 63? [1 Mark]

Correct Answer: >

Explanation: 68 is greater than 63.

Q4. What number is 10 more than 37? [1 Mark]

Correct Answer: 47

Explanation: 37 + 10 = 47.

Q5. A baker packed 37 apple pies in the morning and 31 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 68 pies

Explanation: 37 + 31 = 68 pies in total.

Q6. A school library received 68 new graphic novels. Students checked out 31 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 37 novels

Explanation: 68 - 31 = 37 novels remaining.

Q7. In a school garden, there are 37 yellow marigolds and 31 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 68 flowers

Explanation: 37 + 31 = 68 flowers.

Q8. Find the missing number: 37 + [?] = 68. [1 Mark]

Correct Answer: 31

Explanation: Missing value is 31 because 37 + 31 = 68.

Q9. Complete the pattern: 37, 42, 47, [?]. [1 Mark]

Correct Answer: 52

Explanation: The pattern increases by 5. 47 + 5 = 52.

Q10. A student claimed that 37 + 31 = 78 because 'we must add 10 to every answer'. Why [1 Mark]
is this student wrong?

Correct Answer: Addition means combining only the given numbers without adding extra amounts

Explanation: 37 + 31 equals exactly 68.

Q11. Sam evaluated 68 - 31 and wrote 99. What was Sam's mistake? [1 Mark]

Correct Answer: He added instead of subtracting

Explanation: The minus sign means subtraction (taking away), but Sam performed addition.

Q12. Why is 68 greater than 37? [1 Mark]

Correct Answer: Because 68 includes 37 plus an additional 31 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 37 + 31 = 68, what is 31 + 37? **[1 Mark]**

Correct Answer: 68

Explanation: The order of addends does not affect the sum (commutative property).

Q14. A secret number plus 31 equals 68. If you double the secret number, what is the **[1 Mark]**
result?

Correct Answer: 74

Explanation: The secret number is 37. Doubling it gives 37 x 2 = 74.

Q15. What is the difference between (68 + 10) and (37 + 10)? **[1 Mark]**

Correct Answer: 31

Explanation: Adding 10 to both numbers does not change their difference: (68 + 10) - (37 + 10) = 68 - 37 = 31.