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

Patterns - Worksheet 8 [ANSWER KEY]

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

Q1. In Chapter 'Patterns', calculate: 37 + 21 = ? [1 Mark]

Correct Answer: 58

Explanation: 37 + 21 = 58.

Q2. Calculate: 58 - 21 = ? [1 Mark]

Correct Answer: 37

Explanation: 58 - 21 = 37.

Q3. Which comparison is correct: 58 [?] 53? [1 Mark]

Correct Answer: >

Explanation: 58 is greater than 53.

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 21 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 58 pies

Explanation: 37 + 21 = 58 pies in total.

Q6. A school library received 58 new graphic novels. Students checked out 21 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 37 novels

Explanation: 58 - 21 = 37 novels remaining.

Q7. In a school garden, there are 37 yellow marigolds and 21 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 58 flowers

Explanation: 37 + 21 = 58 flowers.

Q8. Find the missing number: 37 + [?] = 58. [1 Mark]

Correct Answer: 21

Explanation: Missing value is 21 because 37 + 21 = 58.

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 + 21 = 68 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 + 21 equals exactly 58.

Q11. Sam evaluated 58 - 21 and wrote 79. 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 58 greater than 37? [1 Mark]

Correct Answer: Because 58 includes 37 plus an additional 21 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 37 + 21 = 58, what is 21 + 37? **[1 Mark]**

Correct Answer: 58

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

Q14. A secret number plus 21 equals 58. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 74

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

Q15. What is the difference between (58 + 10) and (37 + 10)? **[1 Mark]**

Correct Answer: 21

Explanation: Adding 10 to both numbers does not change their difference: (58 + 10) - (37 + 10) = 58 - 37 = 21.