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

Maths Puzzles and Reasoning - Worksheet 3 [ANSWER KEY]

Grade 2 | Mathematics | Ch 20: Maths Puzzles and Reasoning | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter 'Maths Puzzles and Reasoning', calculate: 26 + 21 = ? [1 Mark]

Correct Answer: 47

Explanation: 26 + 21 = 47.

Q2. Calculate: 47 - 21 = ? [1 Mark]

Correct Answer: 26

Explanation: 47 - 21 = 26.

Q3. Which comparison is correct: 47 [?] 42? [1 Mark]

Correct Answer: >

Explanation: 47 is greater than 42.

Q4. What number is 10 more than 26? [1 Mark]

Correct Answer: 36

Explanation: 26 + 10 = 36.

Q5. A baker packed 26 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: 47 pies

Explanation: 26 + 21 = 47 pies in total.

Q6. A school library received 47 new graphic novels. Students checked out 21 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 26 novels

Explanation: 47 - 21 = 26 novels remaining.

Q7. In a school garden, there are 26 yellow marigolds and 21 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 47 flowers

Explanation: 26 + 21 = 47 flowers.

Q8. Find the missing number: 26 + [?] = 47. [1 Mark]

Correct Answer: 21

Explanation: Missing value is 21 because 26 + 21 = 47.

Q9. Complete the pattern: 26, 31, 36, [?]. [1 Mark]

Correct Answer: 41

Explanation: The pattern increases by 5. 36 + 5 = 41.

Q10. A student claimed that 26 + 21 = 57 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: 26 + 21 equals exactly 47.

Q11. Sam evaluated 47 - 21 and wrote 68. 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 47 greater than 26? [1 Mark]

Correct Answer: Because 47 includes 26 plus an additional 21 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 26 + 21 = 47, what is 21 + 26? **[1 Mark]**

Correct Answer: 47

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

Q14. A secret number plus 21 equals 47. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 52

Explanation: The secret number is 26. Doubling it gives 26 x 2 = 52.

Q15. What is the difference between (47 + 10) and (26 + 10)? **[1 Mark]**

Correct Answer: 21

Explanation: Adding 10 to both numbers does not change their difference: (47 + 10) - (26 + 10) = 47 - 26 = 21.