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

Maths Puzzles and Reasoning - Worksheet 2 [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: 19 + 18 = ? [1 Mark]

Correct Answer: 37

Explanation: 19 + 18 = 37.

Q2. Calculate: 37 - 18 = ? [1 Mark]

Correct Answer: 19

Explanation: 37 - 18 = 19.

Q3. Which comparison is correct: 37 [?] 32? [1 Mark]

Correct Answer: >

Explanation: 37 is greater than 32.

Q4. What number is 10 more than 19? [1 Mark]

Correct Answer: 29

Explanation: 19 + 10 = 29.

Q5. A baker packed 19 apple pies in the morning and 18 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 37 pies

Explanation: 19 + 18 = 37 pies in total.

Q6. A school library received 37 new graphic novels. Students checked out 18 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 19 novels

Explanation: 37 - 18 = 19 novels remaining.

Q7. In a school garden, there are 19 yellow marigolds and 18 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 37 flowers

Explanation: 19 + 18 = 37 flowers.

Q8. Find the missing number: 19 + [?] = 37. [1 Mark]

Correct Answer: 18

Explanation: Missing value is 18 because 19 + 18 = 37.

Q9. Complete the pattern: 19, 24, 29, [?]. [1 Mark]

Correct Answer: 34

Explanation: The pattern increases by 5. 29 + 5 = 34.

Q10. A student claimed that 19 + 18 = 47 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: 19 + 18 equals exactly 37.

Q11. Sam evaluated 37 - 18 and wrote 55. 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 37 greater than 19? [1 Mark]

Correct Answer: Because 37 includes 19 plus an additional 18 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 19 + 18 = 37, what is 18 + 19? **[1 Mark]**

Correct Answer: 37

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

Q14. A secret number plus 18 equals 37. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 38

Explanation: The secret number is 19. Doubling it gives 19 x 2 = 38.

Q15. What is the difference between (37 + 10) and (19 + 10)? **[1 Mark]**

Correct Answer: 18

Explanation: Adding 10 to both numbers does not change their difference: (37 + 10) - (19 + 10) = 37 - 19 = 18.