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

Maths Puzzles and Reasoning - Worksheet 4 [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: 33 + 24 = ? [1 Mark]

Correct Answer: 57

Explanation: 33 + 24 = 57.

Q2. Calculate: 57 - 24 = ? [1 Mark]

Correct Answer: 33

Explanation: 57 - 24 = 33.

Q3. Which comparison is correct: 57 [?] 52? [1 Mark]

Correct Answer: >

Explanation: 57 is greater than 52.

Q4. What number is 10 more than 33? [1 Mark]

Correct Answer: 43

Explanation: 33 + 10 = 43.

Q5. A baker packed 33 apple pies in the morning and 24 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 57 pies

Explanation: 33 + 24 = 57 pies in total.

Q6. A school library received 57 new graphic novels. Students checked out 24 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 33 novels

Explanation: 57 - 24 = 33 novels remaining.

Q7. In a school garden, there are 33 yellow marigolds and 24 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 57 flowers

Explanation: 33 + 24 = 57 flowers.

Q8. Find the missing number: 33 + [?] = 57. [1 Mark]

Correct Answer: 24

Explanation: Missing value is 24 because 33 + 24 = 57.

Q9. Complete the pattern: 33, 38, 43, [?]. [1 Mark]

Correct Answer: 48

Explanation: The pattern increases by 5. 43 + 5 = 48.

Q10. A student claimed that 33 + 24 = 67 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: 33 + 24 equals exactly 57.

Q11. Sam evaluated 57 - 24 and wrote 81. 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 57 greater than 33? [1 Mark]

Correct Answer: Because 57 includes 33 plus an additional 24 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 33 + 24 = 57, what is 24 + 33? **[1 Mark]**

Correct Answer: 57

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

Q14. A secret number plus 24 equals 57. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 66

Explanation: The secret number is 33. Doubling it gives 33 x 2 = 66.

Q15. What is the difference between (57 + 10) and (33 + 10)? **[1 Mark]**

Correct Answer: 24

Explanation: Adding 10 to both numbers does not change their difference: (57 + 10) - (33 + 10) = 57 - 33 = 24.