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

Maths Puzzles and Reasoning - Worksheet 10 [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: 40 + 17 = ? [1 Mark]

Correct Answer: 57

Explanation: 40 + 17 = 57.

Q2. Calculate: 57 - 17 = ? [1 Mark]

Correct Answer: 40

Explanation: 57 - 17 = 40.

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

Correct Answer: >

Explanation: 57 is greater than 52.

Q4. What number is 10 more than 40? [1 Mark]

Correct Answer: 50

Explanation: 40 + 10 = 50.

Q5. A baker packed 40 apple pies in the morning and 17 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 57 pies

Explanation: 40 + 17 = 57 pies in total.

Q6. A school library received 57 new graphic novels. Students checked out 17 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 40 novels

Explanation: 57 - 17 = 40 novels remaining.

Q7. In a school garden, there are 40 yellow marigolds and 17 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 57 flowers

Explanation: 40 + 17 = 57 flowers.

Q8. Find the missing number: 40 + [?] = 57. [1 Mark]

Correct Answer: 17

Explanation: Missing value is 17 because 40 + 17 = 57.

Q9. Complete the pattern: 40, 45, 50, [?]. [1 Mark]

Correct Answer: 55

Explanation: The pattern increases by 5. 50 + 5 = 55.

Q10. A student claimed that 40 + 17 = 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: 40 + 17 equals exactly 57.

Q11. Sam evaluated 57 - 17 and wrote 74. 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 40? [1 Mark]

Correct Answer: Because 57 includes 40 plus an additional 17 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 40 + 17 = 57, what is 17 + 40? **[1 Mark]**

Correct Answer: 57

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

Q14. A secret number plus 17 equals 57. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 80

Explanation: The secret number is 40. Doubling it gives 40 x 2 = 80.

Q15. What is the difference between (57 + 10) and (40 + 10)? **[1 Mark]**

Correct Answer: 17

Explanation: Adding 10 to both numbers does not change their difference: (57 + 10) - (40 + 10) = 57 - 40 = 17.