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

Maths Puzzles and Reasoning - Worksheet 6 [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: 47 + 30 = ? [1 Mark]

Correct Answer: 77

Explanation: 47 + 30 = 77.

Q2. Calculate: 77 - 30 = ? [1 Mark]

Correct Answer: 47

Explanation: 77 - 30 = 47.

Q3. Which comparison is correct: 77 [?] 72? [1 Mark]

Correct Answer: >

Explanation: 77 is greater than 72.

Q4. What number is 10 more than 47? [1 Mark]

Correct Answer: 57

Explanation: 47 + 10 = 57.

Q5. A baker packed 47 apple pies in the morning and 30 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 77 pies

Explanation: 47 + 30 = 77 pies in total.

Q6. A school library received 77 new graphic novels. Students checked out 30 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 47 novels

Explanation: 77 - 30 = 47 novels remaining.

Q7. In a school garden, there are 47 yellow marigolds and 30 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 77 flowers

Explanation: 47 + 30 = 77 flowers.

Q8. Find the missing number: 47 + [?] = 77. [1 Mark]

Correct Answer: 30

Explanation: Missing value is 30 because 47 + 30 = 77.

Q9. Complete the pattern: 47, 52, 57, [?]. [1 Mark]

Correct Answer: 62

Explanation: The pattern increases by 5. 57 + 5 = 62.

Q10. A student claimed that 47 + 30 = 87 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: 47 + 30 equals exactly 77.

Q11. Sam evaluated 77 - 30 and wrote 107. 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 77 greater than 47? [1 Mark]

Correct Answer: Because 77 includes 47 plus an additional 30 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 47 + 30 = 77, what is 30 + 47? **[1 Mark]**

Correct Answer: 77

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

Q14. A secret number plus 30 equals 77. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 94

Explanation: The secret number is 47. Doubling it gives 47 x 2 = 94.

Q15. What is the difference between (77 + 10) and (47 + 10)? **[1 Mark]**

Correct Answer: 30

Explanation: Adding 10 to both numbers does not change their difference: (77 + 10) - (47 + 10) = 77 - 47 = 30.