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

Maths Puzzles and Reasoning - Worksheet 7 [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 + 33 = ? [1 Mark]

Correct Answer: 52

Explanation: 19 + 33 = 52.

Q2. Calculate: 52 - 33 = ? [1 Mark]

Correct Answer: 19

Explanation: 52 - 33 = 19.

Q3. Which comparison is correct: 52 [?] 47? [1 Mark]

Correct Answer: >

Explanation: 52 is greater than 47.

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 33 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 52 pies

Explanation: 19 + 33 = 52 pies in total.

Q6. A school library received 52 new graphic novels. Students checked out 33 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 19 novels

Explanation: 52 - 33 = 19 novels remaining.

Q7. In a school garden, there are 19 yellow marigolds and 33 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 52 flowers

Explanation: 19 + 33 = 52 flowers.

Q8. Find the missing number: 19 + [?] = 52. [1 Mark]

Correct Answer: 33

Explanation: Missing value is 33 because 19 + 33 = 52.

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 + 33 = 62 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 + 33 equals exactly 52.

Q11. Sam evaluated 52 - 33 and wrote 85. 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 52 greater than 19? [1 Mark]

Correct Answer: Because 52 includes 19 plus an additional 33 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 19 + 33 = 52, what is 33 + 19? **[1 Mark]**

Correct Answer: 52

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

Q14. A secret number plus 33 equals 52. If you double the secret number, what is the **[1 Mark]**
result?

Correct Answer: 38

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

Q15. What is the difference between (52 + 10) and (19 + 10)? **[1 Mark]**

Correct Answer: 33

Explanation: Adding 10 to both numbers does not change their difference: (52 + 10) - (19 + 10) = 52 - 19 = 33.