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

2D Shapes - Worksheet 10 [ANSWER KEY]

Grade 2 | Mathematics | Ch 9: 2D Shapes | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter '2D Shapes', calculate: 42 + 12 = ? [1 Mark]

Correct Answer: 54

Explanation: 42 + 12 = 54.

Q2. Calculate: 54 - 12 = ? [1 Mark]

Correct Answer: 42

Explanation: 54 - 12 = 42.

Q3. Which comparison is correct: 54 [?] 49? [1 Mark]

Correct Answer: >

Explanation: 54 is greater than 49.

Q4. What number is 10 more than 42? [1 Mark]

Correct Answer: 52

Explanation: 42 + 10 = 52.

Q5. A baker packed 42 apple pies in the morning and 12 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 54 pies

Explanation: 42 + 12 = 54 pies in total.

Q6. A school library received 54 new graphic novels. Students checked out 12 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 42 novels

Explanation: 54 - 12 = 42 novels remaining.

Q7. In a school garden, there are 42 yellow marigolds and 12 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 54 flowers

Explanation: 42 + 12 = 54 flowers.

Q8. Find the missing number: 42 + [?] = 54. [1 Mark]

Correct Answer: 12

Explanation: Missing value is 12 because 42 + 12 = 54.

Q9. Complete the pattern: 42, 47, 52, [?]. [1 Mark]

Correct Answer: 57

Explanation: The pattern increases by 5. 52 + 5 = 57.

Q10. A student claimed that 42 + 12 = 64 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: 42 + 12 equals exactly 54.

Q11. Sam evaluated 54 - 12 and wrote 66. 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 54 greater than 42? [1 Mark]

Correct Answer: Because 54 includes 42 plus an additional 12 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 42 + 12 = 54, what is 12 + 42? **[1 Mark]**

Correct Answer: 54

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

Q14. A secret number plus 12 equals 54. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 84

Explanation: The secret number is 42. Doubling it gives 42 x 2 = 84.

Q15. What is the difference between (54 + 10) and (42 + 10)? **[1 Mark]**

Correct Answer: 12

Explanation: Adding 10 to both numbers does not change their difference: (54 + 10) - (42 + 10) = 54 - 42 = 12.