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

3D Shapes - Worksheet 3 [ANSWER KEY]

Grade 2 | Mathematics | Ch 10: 3D Shapes | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter '3D Shapes', calculate: 31 + 21 = ? [1 Mark]

Correct Answer: 52

Explanation: 31 + 21 = 52.

Q2. Calculate: 52 - 21 = ? [1 Mark]

Correct Answer: 31

Explanation: 52 - 21 = 31.

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

Correct Answer: >

Explanation: 52 is greater than 47.

Q4. What number is 10 more than 31? [1 Mark]

Correct Answer: 41

Explanation: 31 + 10 = 41.

Q5. A baker packed 31 apple pies in the morning and 21 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 52 pies

Explanation: 31 + 21 = 52 pies in total.

Q6. A school library received 52 new graphic novels. Students checked out 21 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 31 novels

Explanation: 52 - 21 = 31 novels remaining.

Q7. In a school garden, there are 31 yellow marigolds and 21 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 52 flowers

Explanation: 31 + 21 = 52 flowers.

Q8. Find the missing number: 31 + [?] = 52. [1 Mark]

Correct Answer: 21

Explanation: Missing value is 21 because 31 + 21 = 52.

Q9. Complete the pattern: 31, 36, 41, [?]. [1 Mark]

Correct Answer: 46

Explanation: The pattern increases by 5. 41 + 5 = 46.

Q10. A student claimed that 31 + 21 = 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: 31 + 21 equals exactly 52.

Q11. Sam evaluated 52 - 21 and wrote 73. 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 31? [1 Mark]

Correct Answer: Because 52 includes 31 plus an additional 21 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 31 + 21 = 52, what is 21 + 31? **[1 Mark]**

Correct Answer: 52

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

Q14. A secret number plus 21 equals 52. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 62

Explanation: The secret number is 31. Doubling it gives 31 x 2 = 62.

Q15. What is the difference between (52 + 10) and (31 + 10)? **[1 Mark]**

Correct Answer: 21

Explanation: Adding 10 to both numbers does not change their difference: (52 + 10) - (31 + 10) = 52 - 31 = 21.