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

3D Shapes - Worksheet 6 [ANSWER KEY]

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

Q1. In Chapter '3D Shapes', calculate: 17 + 30 = ? [1 Mark]

Correct Answer: 47

Explanation: 17 + 30 = 47.

Q2. Calculate: 47 - 30 = ? [1 Mark]

Correct Answer: 17

Explanation: 47 - 30 = 17.

Q3. Which comparison is correct: 47 [?] 42? [1 Mark]

Correct Answer: >

Explanation: 47 is greater than 42.

Q4. What number is 10 more than 17? [1 Mark]

Correct Answer: 27

Explanation: 17 + 10 = 27.

Q5. A baker packed 17 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: 47 pies

Explanation: 17 + 30 = 47 pies in total.

Q6. A school library received 47 new graphic novels. Students checked out 30 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 17 novels

Explanation: 47 - 30 = 17 novels remaining.

Q7. In a school garden, there are 17 yellow marigolds and 30 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 47 flowers

Explanation: 17 + 30 = 47 flowers.

Q8. Find the missing number: 17 + [?] = 47. [1 Mark]

Correct Answer: 30

Explanation: Missing value is 30 because 17 + 30 = 47.

Q9. Complete the pattern: 17, 22, 27, [?]. [1 Mark]

Correct Answer: 32

Explanation: The pattern increases by 5. 27 + 5 = 32.

Q10. A student claimed that 17 + 30 = 57 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: 17 + 30 equals exactly 47.

Q11. Sam evaluated 47 - 30 and wrote 77. 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 47 greater than 17? [1 Mark]

Correct Answer: Because 47 includes 17 plus an additional 30 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 17 + 30 = 47, what is 30 + 17? **[1 Mark]**

Correct Answer: 47

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

Q14. A secret number plus 30 equals 47. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 34

Explanation: The secret number is 17. Doubling it gives 17 x 2 = 34.

Q15. What is the difference between (47 + 10) and (17 + 10)? **[1 Mark]**

Correct Answer: 30

Explanation: Adding 10 to both numbers does not change their difference: (47 + 10) - (17 + 10) = 47 - 17 = 30.