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

3D Shapes - Worksheet 1 [ANSWER KEY]

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

Q1. In Chapter '3D Shapes', calculate: 17 + 15 = ? [1 Mark]

Correct Answer: 32

Explanation: 17 + 15 = 32.

Q2. Calculate: 32 - 15 = ? [1 Mark]

Correct Answer: 17

Explanation: 32 - 15 = 17.

Q3. Which comparison is correct: 32 [?] 27? [1 Mark]

Correct Answer: >

Explanation: 32 is greater than 27.

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

Correct Answer: 32 pies

Explanation: 17 + 15 = 32 pies in total.

Q6. A school library received 32 new graphic novels. Students checked out 15 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 17 novels

Explanation: 32 - 15 = 17 novels remaining.

Q7. In a school garden, there are 17 yellow marigolds and 15 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 32 flowers

Explanation: 17 + 15 = 32 flowers.

Q8. Find the missing number: 17 + [?] = 32. [1 Mark]

Correct Answer: 15

Explanation: Missing value is 15 because 17 + 15 = 32.

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 + 15 = 42 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 + 15 equals exactly 32.

Q11. Sam evaluated 32 - 15 and wrote 47. 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 32 greater than 17? [1 Mark]

Correct Answer: Because 32 includes 17 plus an additional 15 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 17 + 15 = 32, what is 15 + 17? **[1 Mark]**

Correct Answer: 32

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

Q14. A secret number plus 15 equals 32. 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 (32 + 10) and (17 + 10)? **[1 Mark]**

Correct Answer: 15

Explanation: Adding 10 to both numbers does not change their difference: (32 + 10) - (17 + 10) = 32 - 17 = 15.