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

3D Shapes - Worksheet 5 [ANSWER KEY]

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

Q1. In Chapter '3D Shapes', calculate: 45 + 27 = ? [1 Mark]

Correct Answer: 72

Explanation: 45 + 27 = 72.

Q2. Calculate: 72 - 27 = ? [1 Mark]

Correct Answer: 45

Explanation: 72 - 27 = 45.

Q3. Which comparison is correct: 72 [?] 67? [1 Mark]

Correct Answer: >

Explanation: 72 is greater than 67.

Q4. What number is 10 more than 45? [1 Mark]

Correct Answer: 55

Explanation: 45 + 10 = 55.

Q5. A baker packed 45 apple pies in the morning and 27 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 72 pies

Explanation: 45 + 27 = 72 pies in total.

Q6. A school library received 72 new graphic novels. Students checked out 27 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 45 novels

Explanation: 72 - 27 = 45 novels remaining.

Q7. In a school garden, there are 45 yellow marigolds and 27 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 72 flowers

Explanation: 45 + 27 = 72 flowers.

Q8. Find the missing number: 45 + [?] = 72. [1 Mark]

Correct Answer: 27

Explanation: Missing value is 27 because 45 + 27 = 72.

Q9. Complete the pattern: 45, 50, 55, [?]. [1 Mark]

Correct Answer: 60

Explanation: The pattern increases by 5. 55 + 5 = 60.

Q10. A student claimed that 45 + 27 = 82 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: 45 + 27 equals exactly 72.

Q11. Sam evaluated 72 - 27 and wrote 99. 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 72 greater than 45? [1 Mark]

Correct Answer: Because 72 includes 45 plus an additional 27 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 45 + 27 = 72, what is 27 + 45? **[1 Mark]**

Correct Answer: 72

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

Q14. A secret number plus 27 equals 72. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 90

Explanation: The secret number is 45. Doubling it gives 45 x 2 = 90.

Q15. What is the difference between (72 + 10) and (45 + 10)? **[1 Mark]**

Correct Answer: 27

Explanation: Adding 10 to both numbers does not change their difference: (72 + 10) - (45 + 10) = 72 - 45 = 27.