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

Patterns - Worksheet 5 [ANSWER KEY]

Grade 2 | Mathematics | Ch 12: Patterns | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter 'Patterns', calculate: 16 + 12 = ? [1 Mark]

Correct Answer: 28

Explanation: 16 + 12 = 28.

Q2. Calculate: 28 - 12 = ? [1 Mark]

Correct Answer: 16

Explanation: 28 - 12 = 16.

Q3. Which comparison is correct: 28 [?] 23? [1 Mark]

Correct Answer: >

Explanation: 28 is greater than 23.

Q4. What number is 10 more than 16? [1 Mark]

Correct Answer: 26

Explanation: 16 + 10 = 26.

Q5. A baker packed 16 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: 28 pies

Explanation: 16 + 12 = 28 pies in total.

Q6. A school library received 28 new graphic novels. Students checked out 12 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 16 novels

Explanation: 28 - 12 = 16 novels remaining.

Q7. In a school garden, there are 16 yellow marigolds and 12 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 28 flowers

Explanation: 16 + 12 = 28 flowers.

Q8. Find the missing number: 16 + [?] = 28. [1 Mark]

Correct Answer: 12

Explanation: Missing value is 12 because 16 + 12 = 28.

Q9. Complete the pattern: 16, 21, 26, [?]. [1 Mark]

Correct Answer: 31

Explanation: The pattern increases by 5. 26 + 5 = 31.

Q10. A student claimed that 16 + 12 = 38 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: 16 + 12 equals exactly 28.

Q11. Sam evaluated 28 - 12 and wrote 40. 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 28 greater than 16? [1 Mark]

Correct Answer: Because 28 includes 16 plus an additional 12 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 16 + 12 = 28, what is 12 + 16? **[1 Mark]**

Correct Answer: 28

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

Q14. A secret number plus 12 equals 28. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 32

Explanation: The secret number is 16. Doubling it gives 16 x 2 = 32.

Q15. What is the difference between (28 + 10) and (16 + 10)? **[1 Mark]**

Correct Answer: 12

Explanation: Adding 10 to both numbers does not change their difference: (28 + 10) - (16 + 10) = 28 - 16 = 12.