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

Patterns - Worksheet 7 [ANSWER KEY]

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

Q1. In Chapter 'Patterns', calculate: 30 + 18 = ? [1 Mark]

Correct Answer: 48

Explanation: 30 + 18 = 48.

Q2. Calculate: 48 - 18 = ? [1 Mark]

Correct Answer: 30

Explanation: 48 - 18 = 30.

Q3. Which comparison is correct: 48 [?] 43? [1 Mark]

Correct Answer: >

Explanation: 48 is greater than 43.

Q4. What number is 10 more than 30? [1 Mark]

Correct Answer: 40

Explanation: 30 + 10 = 40.

Q5. A baker packed 30 apple pies in the morning and 18 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 48 pies

Explanation: 30 + 18 = 48 pies in total.

Q6. A school library received 48 new graphic novels. Students checked out 18 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 30 novels

Explanation: 48 - 18 = 30 novels remaining.

Q7. In a school garden, there are 30 yellow marigolds and 18 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 48 flowers

Explanation: 30 + 18 = 48 flowers.

Q8. Find the missing number: 30 + [?] = 48. [1 Mark]

Correct Answer: 18

Explanation: Missing value is 18 because 30 + 18 = 48.

Q9. Complete the pattern: 30, 35, 40, [?]. [1 Mark]

Correct Answer: 45

Explanation: The pattern increases by 5. 40 + 5 = 45.

Q10. A student claimed that 30 + 18 = 58 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: 30 + 18 equals exactly 48.

Q11. Sam evaluated 48 - 18 and wrote 66. 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 48 greater than 30? [1 Mark]

Correct Answer: Because 48 includes 30 plus an additional 18 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 30 + 18 = 48, what is 18 + 30? **[1 Mark]**

Correct Answer: 48

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

Q14. A secret number plus 18 equals 48. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 60

Explanation: The secret number is 30. Doubling it gives 30 x 2 = 60.

Q15. What is the difference between (48 + 10) and (30 + 10)? **[1 Mark]**

Correct Answer: 18

Explanation: Adding 10 to both numbers does not change their difference: (48 + 10) - (30 + 10) = 48 - 30 = 18.