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

Patterns - Worksheet 10 [ANSWER KEY]

Grade 1 | Mathematics | Ch 9: Patterns | Total Marks: 19 | Time: 30 Minutes

Q1. In Chapter 'Patterns', what is 16 + 9? [1 Mark]

Correct Answer: 25

Explanation: 16 + 9 = 25.

Q2. Which number is 1 more than 25? [1 Mark]

Correct Answer: 26

Explanation: Adding 1 gives 26.

Q3. Compare the quantities: 21 [?] 18. [1 Mark]

Correct Answer: >

Explanation: 21 is greater than 18.

Q4. What is the result of taking away 9 from 25? [1 Mark]

Correct Answer: 16

Explanation: (25) - 9 = 16.

Q5. A baker made 16 blueberry muffins in the morning and 9 chocolate muffins in the afternoon. How many muffins did he bake in all? [1 Mark]

Correct Answer: 25 muffins

Explanation: 16 + 9 = 25 muffins baked.

Q6. A school library table had 25 storybooks. Students checked out 9 books. How many books remain on the table? [1 Mark]

Correct Answer: 16 books

Explanation: (25) - 9 = 16 books remain.

Q7. In a garden, there are 16 red butterflies and 9 blue butterflies. How many butterflies are fluttering together? [1 Mark]

Correct Answer: 25 butterflies

Explanation: 16 + 9 = 25 butterflies.

Q8. Find the missing number: 16 + [?] = 25. [1 Mark]

Correct Answer: 9

Explanation: Missing number is 9 because 16 + 9 = 25.

Q9. What number completes the pattern: 16, 18, 20, [?]? [1 Mark]

Correct Answer: 22

Explanation: The pattern adds 2 each time. 20 + 2 = 22.

Q10. A student said that 16 + 9 equals 35 because 'we always put 1 in front'. What mistake did the student make? [1 Mark]

Correct Answer: They confused adding numbers with writing digits side by side

Explanation: Place values must be added together, not concatenated blindly.

Q11. Sam claims: 'Taking away 9 from 25 gives 34.' What did Sam do wrong? [1 Mark]

Correct Answer: He added instead of subtracting

Explanation: Taking away means subtraction, but Sam performed addition.

Q12. Why is 25 greater than 16? [1 Mark]

Correct Answer: Because adding 9 positive items increases the total amount

Explanation: Adding any non-zero positive number produces a larger total.

Q13. If 16 + 9 = 25, what is 9 + 16? [1 Mark]

Correct Answer: 25

Explanation: Addition is commutative: changing the order of addends does not change the sum.

Q14. I am a mystery number. If you add 9 to me, you get 25. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 14
Explanation: The mystery number is 16. Subtracting 2 gives 14.

Q15. Farmer Dan has 16 sheep. Farmer Ben has 9 sheep. How many sheep must Dan give to **[1 Mark]**
Ben so they have different counts by 1?
Correct Answer: 1 sheep
Explanation: Adjusting by 1 changes the relative difference by 2.