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

Patterns - Worksheet 4 [ANSWER KEY]

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

Q1. In Chapter 'Patterns', what is 10 + 7? [1 Mark]

Correct Answer: 17

Explanation: 10 + 7 = 17.

Q2. Which number is 1 more than 17? [1 Mark]

Correct Answer: 18

Explanation: Adding 1 gives 18.

Q3. Compare the quantities: 15 [?] 12. [1 Mark]

Correct Answer: >

Explanation: 15 is greater than 12.

Q4. What is the result of taking away 7 from 17? [1 Mark]

Correct Answer: 10

Explanation: (17) - 7 = 10.

Q5. A baker made 10 blueberry muffins in the morning and 7 chocolate muffins in the afternoon. How many muffins did he bake in all? [1 Mark]

Correct Answer: 17 muffins

Explanation: 10 + 7 = 17 muffins baked.

Q6. A school library table had 17 storybooks. Students checked out 7 books. How many books remain on the table? [1 Mark]

Correct Answer: 10 books

Explanation: (17) - 7 = 10 books remain.

Q7. In a garden, there are 10 red butterflies and 7 blue butterflies. How many butterflies are fluttering together? [1 Mark]

Correct Answer: 17 butterflies

Explanation: 10 + 7 = 17 butterflies.

Q8. Find the missing number: 10 + [?] = 17. [1 Mark]

Correct Answer: 7

Explanation: Missing number is 7 because 10 + 7 = 17.

Q9. What number completes the pattern: 10, 12, 14, [?]? [1 Mark]

Correct Answer: 16

Explanation: The pattern adds 2 each time. 14 + 2 = 16.

Q10. A student said that 10 + 7 equals 27 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 7 from 17 gives 24.' 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 17 greater than 10? [1 Mark]

Correct Answer: Because adding 7 positive items increases the total amount

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

Q13. If 10 + 7 = 17, what is 7 + 10? [1 Mark]

Correct Answer: 17

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

Q14. I am a mystery number. If you add 7 to me, you get 17. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 8
Explanation: The mystery number is 10. Subtracting 2 gives 8.

Q15. Farmer Dan has 10 sheep. Farmer Ben has 7 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.