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

Maths Puzzles and Reasoning - Worksheet 6 [ANSWER KEY]

Grade 1 | Mathematics | Ch 15: Maths Puzzles and Reasoning | Total Marks: 19 | Time: 30 Minutes

Q1. In Chapter 'Maths Puzzles and Reasoning', what is 9 + 3? [1 Mark]

Correct Answer: 12

Explanation: 9 + 3 = 12.

Q2. Which number is 1 more than 12? [1 Mark]

Correct Answer: 13

Explanation: Adding 1 gives 13.

Q3. Compare the quantities: 14 [?] 11. [1 Mark]

Correct Answer: >

Explanation: 14 is greater than 11.

Q4. What is the result of taking away 3 from 12? [1 Mark]

Correct Answer: 9

Explanation: (12) - 3 = 9.

Q5. A baker made 9 blueberry muffins in the morning and 3 chocolate muffins in the afternoon. How many muffins did he bake in all? [1 Mark]

Correct Answer: 12 muffins

Explanation: 9 + 3 = 12 muffins baked.

Q6. A school library table had 12 storybooks. Students checked out 3 books. How many books remain on the table? [1 Mark]

Correct Answer: 9 books

Explanation: (12) - 3 = 9 books remain.

Q7. In a garden, there are 9 red butterflies and 3 blue butterflies. How many butterflies are fluttering together? [1 Mark]

Correct Answer: 12 butterflies

Explanation: 9 + 3 = 12 butterflies.

Q8. Find the missing number: 9 + [?] = 12. [1 Mark]

Correct Answer: 3

Explanation: Missing number is 3 because 9 + 3 = 12.

Q9. What number completes the pattern: 9, 11, 13, [?]? [1 Mark]

Correct Answer: 15

Explanation: The pattern adds 2 each time. 13 + 2 = 15.

Q10. A student said that 9 + 3 equals 22 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 3 from 12 gives 15.' 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 12 greater than 9? [1 Mark]

Correct Answer: Because adding 3 positive items increases the total amount

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

Q13. If 9 + 3 = 12, what is 3 + 9? [1 Mark]

Correct Answer: 12

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

Q14. I am a mystery number. If you add 3 to me, you get 12. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 7
Explanation: The mystery number is 9. Subtracting 2 gives 7.

Q15. Farmer Dan has 9 sheep. Farmer Ben has 3 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.