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

Maths Puzzles and Reasoning - Worksheet 9 [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 12 + 4? [1 Mark]

Correct Answer: 16

Explanation: 12 + 4 = 16.

Q2. Which number is 1 more than 16? [1 Mark]

Correct Answer: 17

Explanation: Adding 1 gives 17.

Q3. Compare the quantities: 17 [?] 14. [1 Mark]

Correct Answer: >

Explanation: 17 is greater than 14.

Q4. What is the result of taking away 4 from 16? [1 Mark]

Correct Answer: 12

Explanation: (16) - 4 = 12.

Q5. A baker made 12 blueberry muffins in the morning and 4 chocolate muffins in the afternoon. How many muffins did he bake in all? [1 Mark]

Correct Answer: 16 muffins

Explanation: 12 + 4 = 16 muffins baked.

Q6. A school library table had 16 storybooks. Students checked out 4 books. How many books remain on the table? [1 Mark]

Correct Answer: 12 books

Explanation: (16) - 4 = 12 books remain.

Q7. In a garden, there are 12 red butterflies and 4 blue butterflies. How many butterflies are fluttering together? [1 Mark]

Correct Answer: 16 butterflies

Explanation: 12 + 4 = 16 butterflies.

Q8. Find the missing number: 12 + [?] = 16. [1 Mark]

Correct Answer: 4

Explanation: Missing number is 4 because 12 + 4 = 16.

Q9. What number completes the pattern: 12, 14, 16, [?]? [1 Mark]

Correct Answer: 18

Explanation: The pattern adds 2 each time. 16 + 2 = 18.

Q10. A student said that 12 + 4 equals 26 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 4 from 16 gives 20.' 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 16 greater than 12? [1 Mark]

Correct Answer: Because adding 4 positive items increases the total amount

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

Q13. If 12 + 4 = 16, what is 4 + 12? [1 Mark]

Correct Answer: 16

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

Q14. I am a mystery number. If you add 4 to me, you get 16. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 10
Explanation: The mystery number is 12. Subtracting 2 gives 10.

Q15. Farmer Dan has 12 sheep. Farmer Ben has 4 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.