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

Maths Puzzles and Reasoning - Worksheet 8 [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 11 + 9? [1 Mark]

Correct Answer: 20

Explanation: 11 + 9 = 20.

Q2. Which number is 1 more than 20? [1 Mark]

Correct Answer: 21

Explanation: Adding 1 gives 21.

Q3. Compare the quantities: 16 [?] 13. [1 Mark]

Correct Answer: >

Explanation: 16 is greater than 13.

Q4. What is the result of taking away 9 from 20? [1 Mark]

Correct Answer: 11

Explanation: (20) - 9 = 11.

Q5. A baker made 11 blueberry muffins in the morning and 9 chocolate muffins in the [1 Mark]
afternoon. How many muffins did he bake in all?

Correct Answer: 20 muffins

Explanation: 11 + 9 = 20 muffins baked.

Q6. A school library table had 20 storybooks. Students checked out 9 books. How many [1 Mark]
books remain on the table?

Correct Answer: 11 books

Explanation: (20) - 9 = 11 books remain.

Q7. In a garden, there are 11 red butterflies and 9 blue butterflies. How many [1 Mark]
butterflies are fluttering together?

Correct Answer: 20 butterflies

Explanation: 11 + 9 = 20 butterflies.

Q8. Find the missing number: 11 + [?] = 20. [1 Mark]

Correct Answer: 9

Explanation: Missing number is 9 because 11 + 9 = 20.

Q9. What number completes the pattern: 11, 13, 15, [?]? [1 Mark]

Correct Answer: 17

Explanation: The pattern adds 2 each time. 15 + 2 = 17.

Q10. A student said that 11 + 9 equals 30 because 'we always put 1 in front'. What [1 Mark]
mistake did the student make?

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 20 gives 29.' 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 20 greater than 11? [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 11 + 9 = 20, what is 9 + 11? [1 Mark]

Correct Answer: 20

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 20. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 9
Explanation: The mystery number is 11. Subtracting 2 gives 9.

Q15. Farmer Dan has 11 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.