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

Maths Puzzles and Reasoning - Worksheet 10 [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 13 + 7? [1 Mark]

Correct Answer: 20

Explanation: 13 + 7 = 20.

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

Correct Answer: 21

Explanation: Adding 1 gives 21.

Q3. Compare the quantities: 18 [?] 15. [1 Mark]

Correct Answer: >

Explanation: 18 is greater than 15.

Q4. What is the result of taking away 7 from 20? [1 Mark]

Correct Answer: 13

Explanation: (20) - 7 = 13.

Q5. A baker made 13 blueberry muffins in the morning and 7 chocolate muffins in the afternoon. How many muffins did he bake in all? [1 Mark]

Correct Answer: 20 muffins

Explanation: 13 + 7 = 20 muffins baked.

Q6. A school library table had 20 storybooks. Students checked out 7 books. How many books remain on the table? [1 Mark]

Correct Answer: 13 books

Explanation: (20) - 7 = 13 books remain.

Q7. In a garden, there are 13 red butterflies and 7 blue butterflies. How many butterflies are fluttering together? [1 Mark]

Correct Answer: 20 butterflies

Explanation: 13 + 7 = 20 butterflies.

Q8. Find the missing number: 13 + [?] = 20. [1 Mark]

Correct Answer: 7

Explanation: Missing number is 7 because 13 + 7 = 20.

Q9. What number completes the pattern: 13, 15, 17, [?]? [1 Mark]

Correct Answer: 19

Explanation: The pattern adds 2 each time. 17 + 2 = 19.

Q10. A student said that 13 + 7 equals 30 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 20 gives 27.' 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 13? [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 13 + 7 = 20, what is 7 + 13? [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 7 to me, you get 20. Then if you subtract 2, **[1 Mark]**
what do you get?
Correct Answer: 11
Explanation: The mystery number is 13. Subtracting 2 gives 11.

Q15. Farmer Dan has 13 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.