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

Lines and Directions - Worksheet 2 [ANSWER KEY]

Grade 2 | Mathematics | Ch 11: Lines and Directions | Total Marks: 19 | Time: 35 Minutes

Q1. In Chapter 'Lines and Directions', calculate: 27 + 23 = ? [1 Mark]

Correct Answer: 50

Explanation: 27 + 23 = 50.

Q2. Calculate: 50 - 23 = ? [1 Mark]

Correct Answer: 27

Explanation: 50 - 23 = 27.

Q3. Which comparison is correct: 50 [?] 45? [1 Mark]

Correct Answer: >

Explanation: 50 is greater than 45.

Q4. What number is 10 more than 27? [1 Mark]

Correct Answer: 37

Explanation: 27 + 10 = 37.

Q5. A baker packed 27 apple pies in the morning and 23 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 50 pies

Explanation: 27 + 23 = 50 pies in total.

Q6. A school library received 50 new graphic novels. Students checked out 23 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 27 novels

Explanation: 50 - 23 = 27 novels remaining.

Q7. In a school garden, there are 27 yellow marigolds and 23 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 50 flowers

Explanation: 27 + 23 = 50 flowers.

Q8. Find the missing number: 27 + [?] = 50. [1 Mark]

Correct Answer: 23

Explanation: Missing value is 23 because 27 + 23 = 50.

Q9. Complete the pattern: 27, 32, 37, [?]. [1 Mark]

Correct Answer: 42

Explanation: The pattern increases by 5. 37 + 5 = 42.

Q10. A student claimed that 27 + 23 = 60 because 'we must add 10 to every answer'. Why [1 Mark]
is this student wrong?

Correct Answer: Addition means combining only the given numbers without adding extra amounts

Explanation: 27 + 23 equals exactly 50.

Q11. Sam evaluated 50 - 23 and wrote 73. What was Sam's mistake? [1 Mark]

Correct Answer: He added instead of subtracting

Explanation: The minus sign means subtraction (taking away), but Sam performed addition.

Q12. Why is 50 greater than 27? [1 Mark]

Correct Answer: Because 50 includes 27 plus an additional 23 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 27 + 23 = 50, what is 23 + 27? **[1 Mark]**

Correct Answer: 50

Explanation: The order of addends does not affect the sum (commutative property).

Q14. A secret number plus 23 equals 50. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 54

Explanation: The secret number is 27. Doubling it gives 27 x 2 = 54.

Q15. What is the difference between (50 + 10) and (27 + 10)? **[1 Mark]**

Correct Answer: 23

Explanation: Adding 10 to both numbers does not change their difference: (50 + 10) - (27 + 10) = 50 - 27 = 23.