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

Lines and Directions - Worksheet 10 [ANSWER KEY]

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

Q1. In Chapter 'Lines and Directions', calculate: 48 + 22 = ? [1 Mark]

Correct Answer: 70

Explanation: 48 + 22 = 70.

Q2. Calculate: 70 - 22 = ? [1 Mark]

Correct Answer: 48

Explanation: 70 - 22 = 48.

Q3. Which comparison is correct: 70 [?] 65? [1 Mark]

Correct Answer: >

Explanation: 70 is greater than 65.

Q4. What number is 10 more than 48? [1 Mark]

Correct Answer: 58

Explanation: 48 + 10 = 58.

Q5. A baker packed 48 apple pies in the morning and 22 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 70 pies

Explanation: 48 + 22 = 70 pies in total.

Q6. A school library received 70 new graphic novels. Students checked out 22 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 48 novels

Explanation: 70 - 22 = 48 novels remaining.

Q7. In a school garden, there are 48 yellow marigolds and 22 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 70 flowers

Explanation: 48 + 22 = 70 flowers.

Q8. Find the missing number: 48 + [?] = 70. [1 Mark]

Correct Answer: 22

Explanation: Missing value is 22 because 48 + 22 = 70.

Q9. Complete the pattern: 48, 53, 58, [?]. [1 Mark]

Correct Answer: 63

Explanation: The pattern increases by 5. 58 + 5 = 63.

Q10. A student claimed that 48 + 22 = 80 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: 48 + 22 equals exactly 70.

Q11. Sam evaluated 70 - 22 and wrote 92. 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 70 greater than 48? [1 Mark]

Correct Answer: Because 70 includes 48 plus an additional 22 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 48 + 22 = 70, what is 22 + 48? **[1 Mark]**

Correct Answer: 70

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

Q14. A secret number plus 22 equals 70. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 96

Explanation: The secret number is 48. Doubling it gives 48 x 2 = 96.

Q15. What is the difference between (70 + 10) and (48 + 10)? **[1 Mark]**

Correct Answer: 22

Explanation: Adding 10 to both numbers does not change their difference: (70 + 10) - (48 + 10) = 70 - 48 = 22.