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

Lines and Directions - Worksheet 1 [ANSWER KEY]

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

Q1. In Chapter 'Lines and Directions', calculate: 20 + 20 = ? [1 Mark]

Correct Answer: 40

Explanation: 20 + 20 = 40.

Q2. Calculate: 40 - 20 = ? [1 Mark]

Correct Answer: 20

Explanation: 40 - 20 = 20.

Q3. Which comparison is correct: 40 [?] 35? [1 Mark]

Correct Answer: >

Explanation: 40 is greater than 35.

Q4. What number is 10 more than 20? [1 Mark]

Correct Answer: 30

Explanation: 20 + 10 = 30.

Q5. A baker packed 20 apple pies in the morning and 20 cherry pies in the afternoon. [1 Mark]
How many pies did the baker pack in all?

Correct Answer: 40 pies

Explanation: 20 + 20 = 40 pies in total.

Q6. A school library received 40 new graphic novels. Students checked out 20 novels on [1 Mark]
Monday. How many new novels are still on the shelf?

Correct Answer: 20 novels

Explanation: 40 - 20 = 20 novels remaining.

Q7. In a school garden, there are 20 yellow marigolds and 20 purple petunias. How many [1 Mark]
flowers are blooming in total?

Correct Answer: 40 flowers

Explanation: 20 + 20 = 40 flowers.

Q8. Find the missing number: 20 + [?] = 40. [1 Mark]

Correct Answer: 20

Explanation: Missing value is 20 because 20 + 20 = 40.

Q9. Complete the pattern: 20, 25, 30, [?]. [1 Mark]

Correct Answer: 35

Explanation: The pattern increases by 5. 30 + 5 = 35.

Q10. A student claimed that 20 + 20 = 50 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: 20 + 20 equals exactly 40.

Q11. Sam evaluated 40 - 20 and wrote 60. 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 40 greater than 20? [1 Mark]

Correct Answer: Because 40 includes 20 plus an additional 20 items

Explanation: Adding a positive quantity always increases the total.

Q13. If 20 + 20 = 40, what is 20 + 20? **[1 Mark]**

Correct Answer: 40

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

Q14. A secret number plus 20 equals 40. If you double the secret number, what is the result? **[1 Mark]**

Correct Answer: 40

Explanation: The secret number is 20. Doubling it gives 20 x 2 = 40.

Q15. What is the difference between (40 + 10) and (20 + 10)? **[1 Mark]**

Correct Answer: 20

Explanation: Adding 10 to both numbers does not change their difference: (40 + 10) - (20 + 10) = 40 - 20 = 20.