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

# Maths Puzzles and Reasoning - Worksheet 9 [ANSWER KEY]

Grade 2 | Mathematics | Ch 20: Maths Puzzles and Reasoning | Total Marks: 19 | Time: 35 Minutes

**Q1. In Chapter 'Maths Puzzles and Reasoning', calculate: 33 + 14 = ?** [1 Mark]

**Correct Answer: 47**

*Explanation: 33 + 14 = 47.*

**Q2. Calculate: 47 - 14 = ?** [1 Mark]

**Correct Answer: 33**

*Explanation: 47 - 14 = 33.*

**Q3. Which comparison is correct: 47 [ ? ] 42?** [1 Mark]

**Correct Answer: >**

*Explanation: 47 is greater than 42.*

**Q4. What number is 10 more than 33?** [1 Mark]

**Correct Answer: 43**

*Explanation: 33 + 10 = 43.*

**Q5. A baker packed 33 apple pies in the morning and 14 cherry pies in the afternoon.** [1 Mark]
How many pies did the baker pack in all?

**Correct Answer: 47 pies**

*Explanation: 33 + 14 = 47 pies in total.*

**Q6. A school library received 47 new graphic novels. Students checked out 14 novels on** [1 Mark]
Monday. How many new novels are still on the shelf?

**Correct Answer: 33 novels**

*Explanation: 47 - 14 = 33 novels remaining.*

**Q7. In a school garden, there are 33 yellow marigolds and 14 purple petunias. How many** [1 Mark]
flowers are blooming in total?

**Correct Answer: 47 flowers**

*Explanation: 33 + 14 = 47 flowers.*

**Q8. Find the missing number: 33 + [ ? ] = 47.** [1 Mark]

**Correct Answer: 14**

*Explanation: Missing value is 14 because 33 + 14 = 47.*

**Q9. Complete the pattern: 33, 38, 43, [ ? ].** [1 Mark]

**Correct Answer: 48**

*Explanation: The pattern increases by 5. 43 + 5 = 48.*

**Q10. A student claimed that 33 + 14 = 57 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: 33 + 14 equals exactly 47.*

**Q11. Sam evaluated 47 - 14 and wrote 61. 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 47 greater than 33?** [1 Mark]

**Correct Answer: Because 47 includes 33 plus an additional 14 items**

*Explanation: Adding a positive quantity always increases the total.*

**Q13. If 33 + 14 = 47, what is 14 + 33?** **[1 Mark]**

**Correct Answer: 47**

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

**Q14. A secret number plus 14 equals 47. If you double the secret number, what is the** result? **[1 Mark]**

**Correct Answer: 66**

*Explanation: The secret number is 33. Doubling it gives 33 x 2 = 66.*

**Q15. What is the difference between (47 + 10) and (33 + 10)?** **[1 Mark]**

**Correct Answer: 14**

*Explanation: Adding 10 to both numbers does not change their difference: (47 + 10) - (33 + 10) = 47 - 33 = 14.*