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

Real-Life Maths Word Problems - Worksheet 3 [ANSWER KEY]

Grade 3 | Mathematics | Ch 20: Real-Life Maths Word Problems | Total Marks: 19 | Time: 30 Minutes

Q1. Evaluate the two-step expression: (5 x 7) + 15 = [1 Mark]

Correct Answer: 50

Explanation: (5 x 7) = 35. 35 + 15 = 50.

Q2. Calculate: 45 - (5 x 3) = [1 Mark]

Correct Answer: 30

Explanation: Multiply first: 5 x 3 = 15. Then subtract from 45.

Q3. Find the value of (45 / 5) x 3 = [1 Mark]

Correct Answer: 27

Explanation: 45 / 5 = 9. 9 x 3 = 27.

Q4. Compute: 120 - 45 - 35 = [1 Mark]

Correct Answer: 40

Explanation: 120 - 45 = 75. 75 - 35 = 40.

Q5. At the School Sports Carnival, an organizer buys 5 items costing $7 each. If they pay with a $45 bill, what is the change received? [1 Mark]

Correct Answer: $10

Explanation: Total cost: 5 x $7 = $35. Change: $45 - $35 = $10.

Q6. A family travels on a bus. Adult tickets cost $8 each and child tickets cost $4 each. What is the total cost for 2 adults and 3 children? [1 Mark]

Correct Answer: $28

Explanation: (2 x $8) + (3 x $4) = $16 + $12 = $28.

Q7. A bookshop had 85 storybooks on Monday. They sold 34 books on Tuesday and 26 books on Wednesday. How many books remain on the shelf? [1 Mark]

Correct Answer: 25 books

Explanation: 85 - (34 + 26) = 85 - 60 = 25 books.

Q8. Find the missing quantity: [?] tickets at $7 each cost $48 in total. [1 Mark]

Correct Answer: 6

Explanation: Divide total by unit price: $48 / $7 = 6 tickets.

Q9. Maya has $50. She buys 2 shirts at the same price and has $14 left. What is the cost of ONE shirt? [1 Mark]

Correct Answer: $18

Explanation: Money spent: $50 - $14 = $36. Cost of one shirt: $36 / 2 = $18.

Q10. Tariq reads: 'Adam has 15 stickers. He has 5 more stickers than Bilal. How many stickers does Bilal have?' Tariq calculates 15 + 5 = 20. Why is Tariq incorrect? [1 Mark]

Correct Answer: Adam has more stickers than Bilal, so Bilal has FEWER: 15 - 5 = 10 stickers

Explanation: Because Adam has 5 more than Bilal, Bilal must have 15 - 5 = 10 stickers.

Q11. A problem states: 'A teacher packs 28 books into 3 boxes equally. How many books are left over?' Lina calculates 28 / 3 = 9 R 1, and answers '9 books'. What did Lina answer incorrectly? [1 Mark]

Correct Answer: She stated the quotient (number of books per box) instead of the remainder (books left over = 1)

Explanation: The question asked for books left over (the remainder), which is 1, not the quotient 9.

Q12. In solving a multi-step word problem, why is drawing a bar model or diagram **[2 Marks]**
helpful before doing calculations?
Correct Answer: It visually organizes the relationship between known parts and the whole, making it clear which operations (+, -, x, /) to perform
Explanation: Bar models make the part-whole and comparison relationships visually obvious.

Q13. A fruit vendor sells apples at 3 for $2. If a customer buys 12 apples, how much **[2 Marks]**
do they pay?
Correct Answer: $8
Explanation: 12 apples / 3 = 4 groups of three. 4 x $2 = $8.

Q14. A school bus holds 45 passengers. 128 students and 12 teachers are going on a **[2 Marks]**
field trip. What is the minimum number of buses needed to transport everyone?
Correct Answer: 4 buses
Explanation: Total people: 128 + 12 = 140 people. 140 / 45 = 3 with 5 people left over. 4 buses are needed so nobody is left behind.

Q15. Three siblings (Alex, Ben, and Chloe) saved money together. Alex saved twice as **[2 Marks]**
much as Ben. Chloe saved $15, which is $5 less than Ben. How much money did all three save altogether?
Correct Answer: $75
Explanation: Chloe = $15. Ben saved $5 more than Chloe = $15 + $5 = $20. Alex saved twice as much as Ben = 2 x $20 = $40. Total: $40 + $20 + $15 = $75.