

WA4MNAAS1

Calculating with number

Core + Challenge

Addition & Subtraction Word Problems

I can solve one- and two-step word problems involving addition and subtraction of larger numbers.

Name: _____ Date: _____ Score: / 53

Key idea

Solving word problems: decide what the story is asking — combining amounts means **add**; finding what's left, the difference, or how much more means **subtract**. For two-step problems, work out the first step fully before using that result in the second step.

Clue words: *altogether, in total, combined* → add. *left, remaining, how many more, difference* → subtract.

A Fluency *practise the skill*

/16 marks

Decide whether to add or subtract, then solve. Use your working space if needed.

1. A box has 245 apples. Another box has 178 apples. How many apples in total? _____
2. A shop had 560 shirts and sold 275. How many are left? _____
3. Tom has 1,240 marbles. Sam has 985 marbles. How many do they have together? _____
4. A tank holds 3,000L. 1,845L is used. How much remains? _____
5. A library has 2,350 fiction books and 1,675 non-fiction books. How many books in total? _____
6. A farmer had 4,200 eggs and sold 2,760. How many eggs are left? _____
7. Class A raised \$385 and Class B raised \$460. How much did they raise together? _____
8. A trip is 1,250km. The family has driven 875km. How much further do they have to go? _____
9. A warehouse has 6,000 boxes. 2,384 are sent out. How many boxes remain? _____
10. Two charities raised \$2,480 and \$3,195. What was their combined total? _____
11. A stadium holds 15,000 people. 11,628 tickets were sold. How many seats are empty? _____
12. A school has 685 students. 128 more enrol. How many students are there now? _____
13. A baker makes 950 buns. 683 are sold in the morning. How many are left? _____
14. A plane has flown 4,268km of an 8,500km trip. How much further does it need to fly? _____
15. Two rivers are 2,347km and 1,856km long. What is their combined length? _____
16. A company had \$12,450 in the bank and spent \$7,826. How much is left? _____

B Core *apply the skill to problems*

/21 marks

- 1 A charity raised \$2,486 in week one and \$1,759 in week two, but had to pay \$845 in event costs. How much money did the charity have left after costs?

[3 marks]

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Answer: _____

2

A factory produced 5,647 toys in one month. It sold 2,385 toys in the first half of the month and 1,890 in the second half. How many toys are left unsold?

[4 marks]

Answer: _____

3

A school library had 3,452 books. They donated 687 books to another school and bought 950 new books. How many books does the library have now?

[3 marks]

Answer: _____

4

A concert venue sold 4,275 tickets on presale and 3,868 tickets on the day. Of these, 1,246 people didn't attend. How many people actually attended the concert?

[4 marks]

Answer: _____

5

A delivery van starts the day with 6,420 packages. It delivers 3,758 packages in the morning and loads 1,200 more packages at the depot at lunch. How many packages does it have after lunch?

[3 marks]

Answer: _____

6

A company's bank balance was \$9,362. They received a payment of \$4,785 and then paid a bill of \$6,250. What is the new balance?

[4 marks]

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Answer: _____

C**Reasoning** *explain, justify and check***/9 marks****1**

Explain what key words in a word problem might tell you to add, and what key words might tell you to subtract.

[2 marks]**2**

A word problem says a shop had some stock, sold some, then received a new delivery. Explain the order of operations you would use to find the final stock level.

[2 marks]**3**

Zoe solves a two-step problem by adding both numbers together instead of subtracting one from the total first. Explain what might go wrong with her answer.

[2 marks]**4**

Write your own two-step addition and subtraction word problem using the numbers 2,500 and 1,350, and solve it.

[3 marks]**D****Challenge** *multi-step and problem-solving***/7 marks**

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1

A two-step word problem has the answer 3,400. Using addition and subtraction with the numbers 2,486, 1,759 and 845, write a word problem that gives this answer.

[2 marks]

Answer: _____

2

A farmer had 4,200 eggs, sold some in the morning, then collected 900 more eggs in the afternoon, ending the day with exactly 1,440 eggs. How many eggs did the farmer sell in the morning?

[2 marks]

Answer: _____

3

A school's two fun-run fundraising events raised \$4,275 and \$3,868. The school wants to donate \$5,000 to charity and keep the rest for new sports equipment. How much money will be left for sports equipment?

[3 marks]

Answer: _____

How did I go?Fluency ____/16 Core ____/21 Reasoning ____/9 Challenge ____/7 **Total ____/53**

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