

WA4MNAAS1

Calculating with number

Core + Challenge

Written Addition — With Regrouping

I can add 3- and 4-digit numbers using the formal written (column) method, including regrouping (carrying).

Name: _____ Date: _____ Score: / 53

Key idea

Column addition with regrouping: line up the numbers by place value and add from the units column. If a column's total is 10 or more, write the units digit and carry (regroup) the ten into the next column to the left.

E.g. $48 + 37$: units $8+7=15 \rightarrow$ write 5, carry 1. Tens $4+3+1=8 \rightarrow$ **85**.

A Fluency *practise the skill*

/16 marks

Use the column (vertical) addition method in your working space for each problem. Every problem needs regrouping (carrying) in at least one column.

1. $347 + 186 = ?$ _____

2. $258 + 475 = ?$ _____

3. $164 + 759 = ?$ _____

4. $486 + 237 = ?$ _____

5. $1,348 + 2,567 = ?$ _____

6. $2,956 + 1,478 = ?$ _____

7. $3,684 + 2,759 = ?$ _____

8. $4,275 + 3,868 = ?$ _____

9. $5,647 + 2,385 = ?$ _____

10. $1,999 + 1,999 = ?$ _____

11. $6,758 + 1,642 = ?$ _____

12. $3,489 + 4,276 = ?$ _____

13. $7,284 + 1,963 = ?$ _____

14. $2,647 + 3,583 = ?$ _____

15. $4,956 + 3,087 = ?$ _____

16. $5,874 + 2,369 = ?$ _____

B Core *apply the skill to problems*

/21 marks

1

A bakery sold 2,486 loaves of bread in March and 1,759 loaves in April.
How many loaves did it sell in total across the two months?

[3 marks]

Answer: _____

Written Addition — With Regrouping · WA4MNAAS1

2

Two charities raised money for a fun run. Charity A raised \$3,648 and Charity B raised \$2,795. How much did they raise altogether? Show your column addition working.

[4 marks]

Answer: _____

3

A car park has two levels. Level 1 has 1,467 cars parked and Level 2 has 2,386 cars parked. How many cars are parked in total?

[3 marks]

Answer: _____

4

A school raised \$4,275 at its fete and a further \$3,868 through a raffle. The P&C; committee's target was \$8,000. Did the school reach its target? By how much did they go over or under?

[4 marks]

Answer: _____

5

A plane flew 2,647km on one leg of a journey and 3,583km on the second leg. What was the total distance flown?

[3 marks]

Answer: _____

6

A company had 5,647 units of stock at the start of the month and received a delivery of 2,385 more units. Later, they received a further delivery of 968 units. How many units of stock do they have now in total?

[4 marks]

Answer: _____

Written Addition — With Regrouping · WA4MNAAS1

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

Explain why, in column addition, we start adding from the units (ones) column rather than the largest place value column.

[2 marks]**2**

Mia adds $376 + 258$ and gets 524. Use estimation to show her answer is wrong, then find her likely mistake.

[2 marks]**3**

Explain what 'regrouping' (carrying) means when adding two numbers in columns, using the example $48 + 37$.

[2 marks]**4**

A student says that adding two 4-digit numbers always gives a 4-digit answer. Is this true? Explain and give an example that supports your answer.

[3 marks]**D****Challenge** *multi-step and problem-solving***/7 marks****1**

Find two 4-digit numbers that add to exactly 10,000, where both numbers require regrouping in at least one column when added.

[2 marks]

Written Addition — With Regrouping · WA4MNAAS1

Answer: _____

2

The sum of two numbers is 9,457. One number is 3,689. What is the other number?

[2 marks]

Answer: _____

3

Three class fundraising totals are added together: \$2,486, \$1,759 and \$968. The teacher says the combined total is over \$5,000. Is the teacher correct? Show your working and explain.

[3 marks]

Answer: _____

How did I go?

Fluency ___/16 Core ___/21 Reasoning ___/9 Challenge ___/7 **Total ___/53**

Stuck on a section? Our Year 4 tutors can show you exactly what to practise next. **Book a free trial class at edulift.com.au**