

MULTI-STEP PROBLEMS (+/-)

21

TARGET To solve addition and subtraction multi-step problems.

Example

A library has 7917 fiction books and 2468 fewer non-fiction books. There are 4708 books in the children's section. How many books are there in the adult section?

- 1 Find the number of non-fiction books.
- 2 Find the total number of books in the library.
- 3 Find the number of adult section books.

Answer There are 8658 books in the adult section.

$$\begin{array}{r} 8 \ 101 \\ 7917 \\ - 2468 \\ \hline 5449 \end{array}$$

$$\begin{array}{r} 2 \quad 7 \ 917 \\ + 5 \ 449 \\ \hline 13 \ 366 \\ \quad 1 \quad 1 \end{array}$$

$$\begin{array}{r} 3 \quad 0 \ 12 \ 1 \ 5 \ 1 \\ 13 \ 366 \\ - 4 \ 708 \\ \hline 8 \ 658 \end{array}$$

A

- 1 There are 113 children in Year 5. 58 are boys. 36 of the girls are in the choir. How many of the Year 5 girls are not in the choir?
- 2 One tin has 84 biscuits. Another has 48. Ninety-seven are eaten. How many are left?
- 3 In an orchard there are 168 apple trees, 126 pear trees and 75 cherry trees. How many trees are there in the orchard altogether?
- 4 There are 260 children and 87 fewer adults in a cinema. How many people are in the audience altogether?
- 5 A farmer has 157 brown cows and 183 black and white cows. 251 of the cows have been milked. How many have not been milked?



B

- 1 Elroy's book has 407 pages. He is on page 186. He reads another 59 pages. How many pages are left?
- 2 Seventy-four fewer children come to school by car than walk. 211 walk. 65 come in other ways. How many children go to the school?
- 3 George has 739 stamps in two albums. 294 are in his blue album and he has 158 British stamps in his red album. How many foreign stamps are there in his red album?
- 4 A supermarket has 1350 bottles of milk for sale. There are 169 more green top than red top bottles. 465 of the bottles are red top. How many blue top bottles are for sale?

C

- 1 In an election 32 736 people vote. 14 485 vote for the winner and 13 726 for the candidate in second place. How many people vote for the only other candidate?
- 2 Jocelyn has £8376 in her bank account. In the next month she takes out £4595 for a new car and a further £1806. Her salary of £2649 is paid in. How much is in her account at the end of the month?
- 3 In one month a supermarket sells 5847 cans of tomato soup, 3734 cans of vegetable soup and 2485 cans of chicken soup. The combined sales of these three varieties is 3728 greater than the total sales of all the other varieties of soup. How many cans of soup were sold during the month altogether?