Exercise 13.1

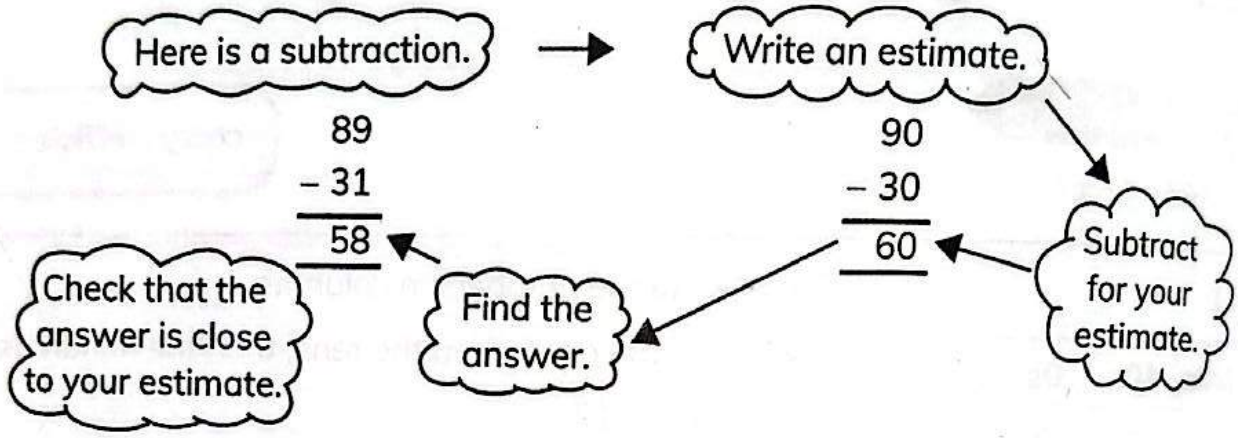
Focus

1 There are 215 girls and 259 boys in the school hall.
How many boys and girls are in the hall altogether?

$$\begin{array}{r} {}^{1}\\ 259 \\ +\ 215 \\ \hline 474 \end{array}$$

474 ✓

2 Look at this diagram.



Do the same for these calculations.

a 128 − 62

$$\begin{array}{r} {}^{1}{}^{12}\\ 128 \\ -\ 62 \\ \hline 66 \end{array}$$

66 ✓

b 358 − 254

$$\begin{array}{r} 358 \\ -\ 254 \\ \hline 104 \end{array}$$

104 ✓

c 548 − 392

$$\begin{array}{r} {}^{1}{}^{14}\\ 548 \\ -\ 392 \\ \hline 156 \end{array}$$

156

3 Chloe has three digit cards.



largest no = 943
Smallest no = 349

She makes the largest number she can with the three cards.
Then she makes the smallest number she can with the three cards.
What is the difference between the two numbers Chloe makes?

$$\begin{array}{r} {}^{8}{}^{13}{}^{13}\\ 943 \\ -\ 349 \\ \hline 594 \end{array}$$

594 ✓

No of women = 290
No of men = 312
Total = 649
No of Adults = 602

4 649 people go to a concert.
290 people are women.
312 people are men.
How many children are at the concert?

649
−602
047

47 ✓

Practice

1 The table shows the distance in kilometres between five towns in the United Kingdom.

	Birmingham	Cardiff	London	Manchester	Newcastle
Birmingham		179	188	127	334
Cardiff	179		269	278	489
London	188	269		298	441
Manchester	127	278	298		212
Newcastle	334	489	441	212	

Tip

Make sure you can read the table correctly by finding the distance from London to Cardiff. You should find it is 269 kilometres.

a Nami travels from Birmingham to Manchester and then from Manchester to Newcastle.
How many kilometres does she travel altogether?

339 km 127 + 212 = 339 km

212
+127
339

b Raphael travels from London to Birmingham and then from Birmingham to Newcastle.
How many kilometres does he travel altogether?

522 km 188 + 334 = 522 km

1
334
+188
522

6 Subtract the largest 2-digit number from 200.

largest 2-digit number is 99.

200 − 99 = 101

101

7 Use only the digits 4 and 5 to complete this calculation.
You may use the digits more than once.

4	5	5	+	5	5	= 500

455 + 45 = 500

8 Darius spilt ink on his work.
His answer is correct.
What is the missing digit?

$$\begin{array}{r} 7\ 3\ 12 \\ -\ 3\ \blacksquare\ 9 \\ \hline 4\ 1\ 3 \end{array}$$

1

Challenge

9 Write the missing digits.

14

	5	4	9
+	1	9	3
	7	4	2

10 Use each of the digits 4, 5, 6, 7, 8, 9 in each calculation to make these number sentences true.

987 − 654 = 333

9	8	7	−	6	5	4	= 333

975 − 864 = 111

9	7	5	−	8	6	4	= 111

11 What total closest to 800 can you make using two of these numbers?

605	402	503	789
395	899	901	197

605 + 197 = 802

12 Last year there were 82 girls and 93 boys in Year 4.
This year there are 190 students in Year 4.
Of these students, 95 are boys.
How many more girls are in Year 4 this year than last year?

Total students = 190
No of boys = 95
No of girls = 95
Girls this year = 95
Girls last year = 82

95 − 82 = 13

13 girls

13 Find five pairs of numbers that add up to 900.

545	238	86	228
96	791	355	601
672	109	589	437
463	322	814	465

One has been done for you.

672 + 228 = 900

109 + 791 = 900

545 + 355 = 900

814 + 86 = 900

463 + 437 = 900