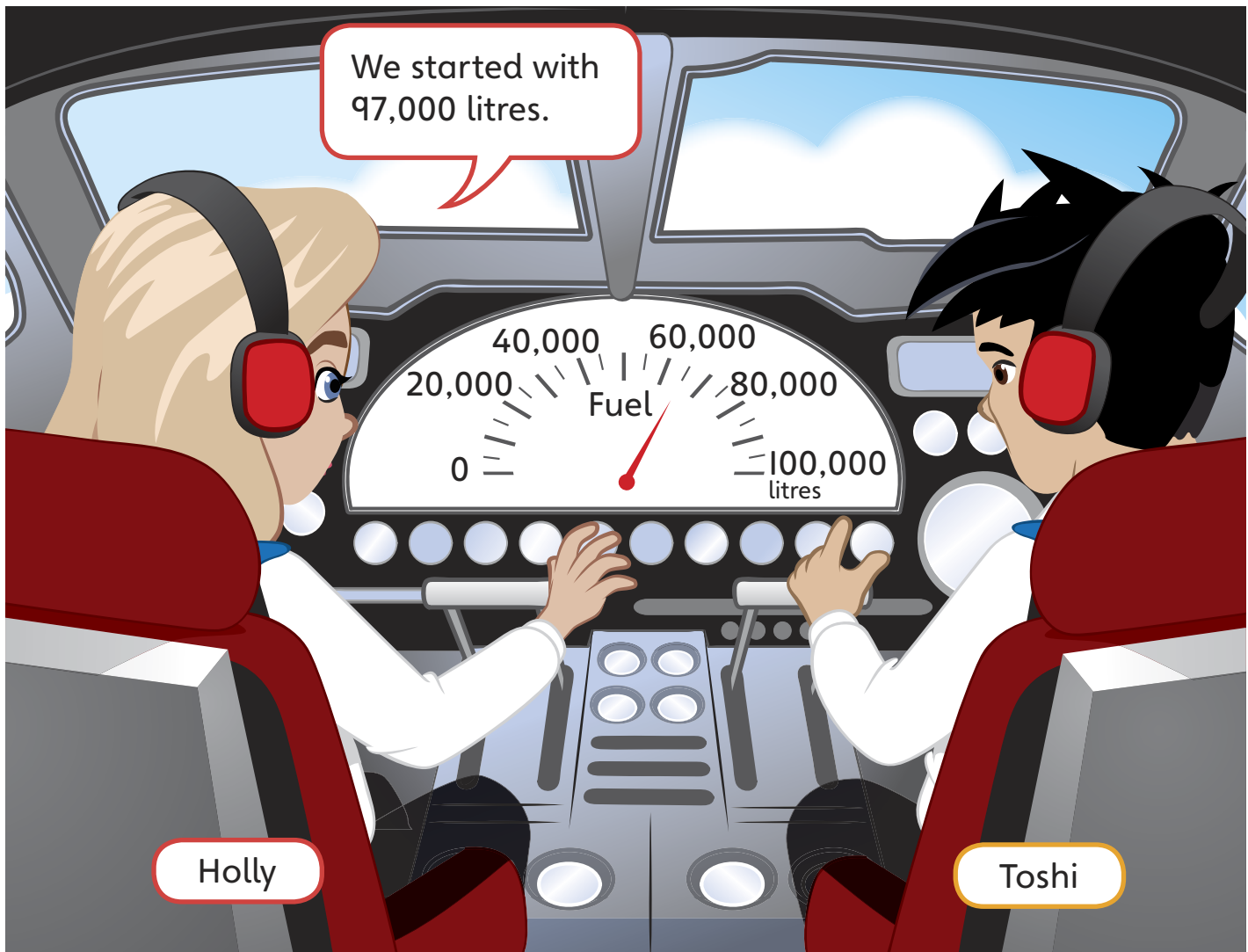


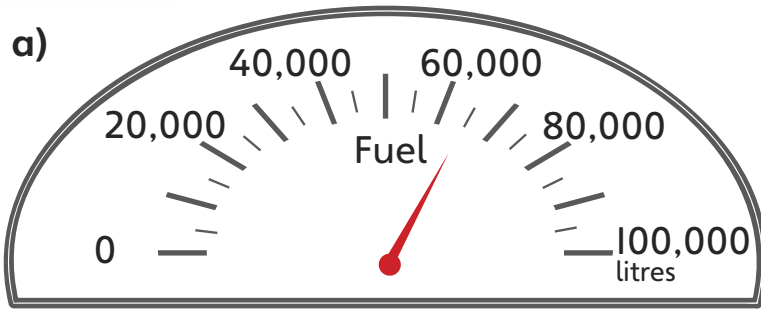
## Problem solving – addition and subtraction ②

### Discover

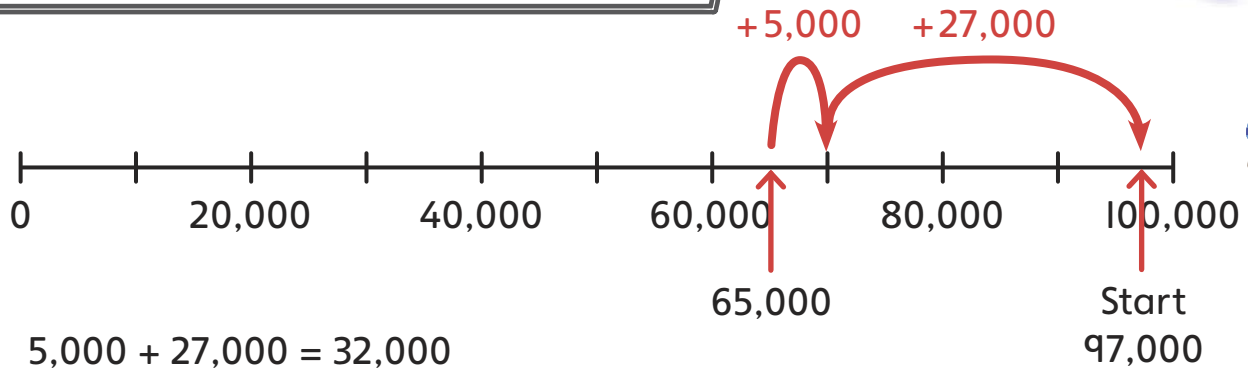


- 1 a) How much fuel has the plane used so far?
- b) Each hour the plane uses 13,580 litres of fuel.  
How much fuel will be left after two more hours of flying?

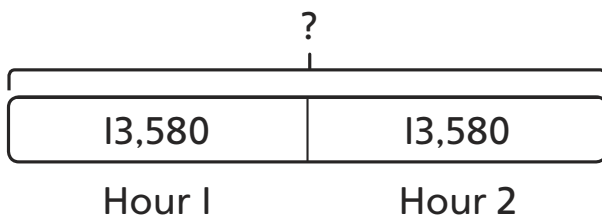
# Share



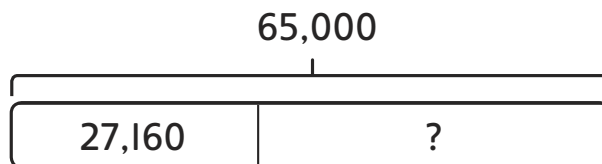
Each mark is worth 10,000. The arrow is half-way between 60,000 and 70,000, so it must be pointing to 65,000 litres.



b) 13,580 litres of fuel are used each hour for two hours.



TTh	Th	H	T	O
1	3	5	8	0
+	1	3	5	8
2	7	1	6	0



TTh	Th	H	T	O
<del>5</del>	<del>14</del>	<del>9</del>	1	0
-	2	7	1	6
3	7	8	4	0

I did a column subtraction to check the answer.



There will be 37,840 litres of fuel left after two more hours of flying.

## Think together

- 1 The table shows the number of passengers passing through an airport on one day.

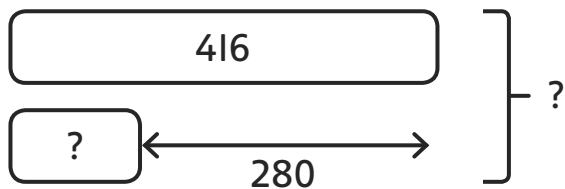
Did more passengers pass through before 2 pm or after 2 pm?

6 am – 10 am	10 am – 2 pm	2 pm – 6 pm	6 pm – 10 pm
14,569	11,118	5,946	23,277

More passengers passed through the airport \_\_\_\_\_ 2 pm.

- 2 A large plane carries 416 passengers.

A small plane carries 280 fewer passengers.



How many passengers can the two planes carry in total?

The two planes can carry  passengers in total.

I did a column subtraction to check my answer.



CHALLENGE

- 3 A pilot uses this information to work out how much fuel a plane needs.

Take off fuel	5,600 litres
Flight fuel	12,500 litres per hour
Landing fuel	5,150 litres
Spare fuel	2,500 litres per hour

How much fuel will the pilot need for a 4-hour flight?

There seems to be a lot of adding here.

I think I can make parts of the calculation easier.

