

Airport disaster!

Heathrow airport has had a terrible morning. The computer systems have broken and it is your job to sort out what has gone wrong. Complete the levels and help the airport get back up and running!

I have included some number sentences to get you started. You need to think about changing the number sentence around and using inverse operations to solve the problems.

Level one - Missing bags!

In terminal 1, the staff put 180 bags on the conveyer belt but only 32 came through, how many are missing? ($32 + \underline{\quad} = 180$) ($180 - 32 = \underline{\quad}$)



In terminal 2, the staff put 89 bags on the conveyer belt but only 45 came through, how many are missing?

In terminal 3, the staff put 169 bags on the conveyer belt but only 115 came through, how many are missing?

Level 2 - Aircraft arrangement!

In terminal 1, 1435 planes flew in and landed, but only 1150 planes took off again, how many are still waiting to take off?

In terminal 2, 345 planes flew in and landed, all except 38 planes have taken off again. How many planes have taken off?

In terminal 3, planes are stacking and waiting for a landing slot. 117 are in stack and 31 join them, but there are only 240 spaces available. Will there be enough space for them?



Level 3 - Passenger list problems!

In terminal 1, two passenger lists have been added together by accident. The total of both lists is 610. List A should have 49 passengers, so how many should List B have?

In terminal 2, 3 passenger lists have been added together by accident! The total of all 3 lists is 130. List A has 35 passengers, List C has 66 passengers. How many passengers are in List B?



In terminal 3, 5 passenger lists have been added together by accident! The total is 280. List A has 40, List B has 65, List C has 12, and List D has 130. How many passengers are in list E?

Level 4 - Catering confusion!

The catering truck needs to bring in 4,310 sandwiches but there is a delay on the motorway and crates carrying 340 packs and 230 packs do not arrive. How many are they short by?

Luckily, they have managed to put together some last-minute meals! The caterers have made 1350 portions of food. There are 500 pilots, 747 airhostesses and 430 shop workers that need feeding. Will they have enough food?

Extension

Cameron the baggage carrier is in trouble! His boss has just asked him why he only has 36 bags. Cameron says that he lost 28 bags and then half fell off the conveyor belt! His boss shouts at him 'Well how many did you have to START WITH?' Help Cameron remember how many bags he started with!

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