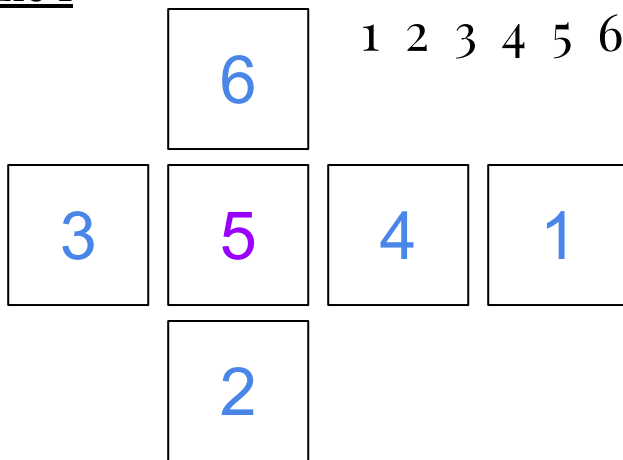


# PLANE NUMBERS

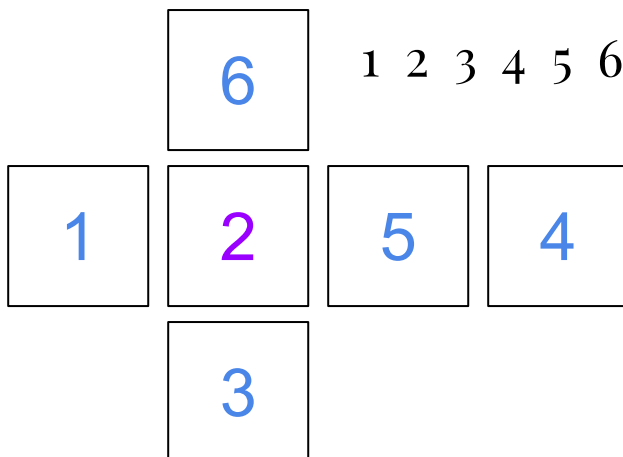
Here are some solutions to the puzzles we set you. There may be more! In each case, the numbers in PURPLE must be in that tile. The numbers in BLUE can be in any tile on that horizontal or vertical line.

## Puzzle 1



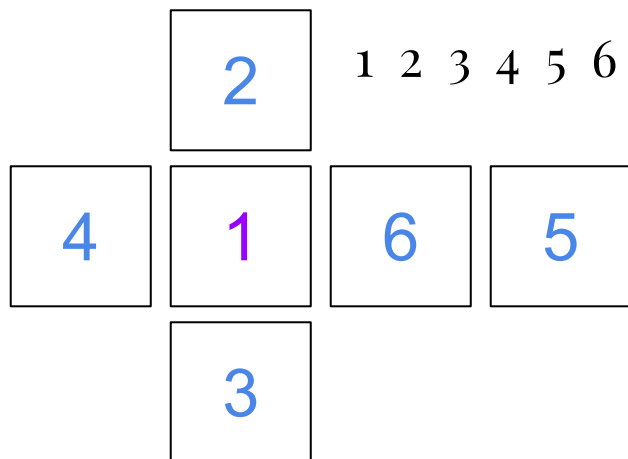
Arrange the numbers on the tiles so that the sum of the numbers in the vertical line is the same as the sum of the numbers in the horizontal line.

## Puzzle 2



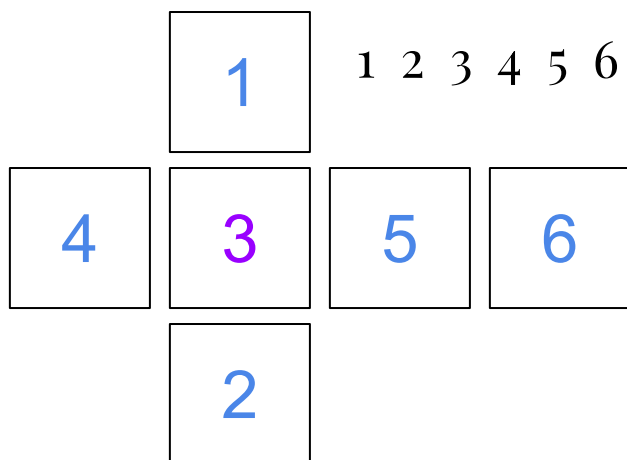
Arrange the numbers on the yellow tiles so that the sum of the number in the horizontal line is one more than the sum of the number in the vertical line.

### Puzzle 3



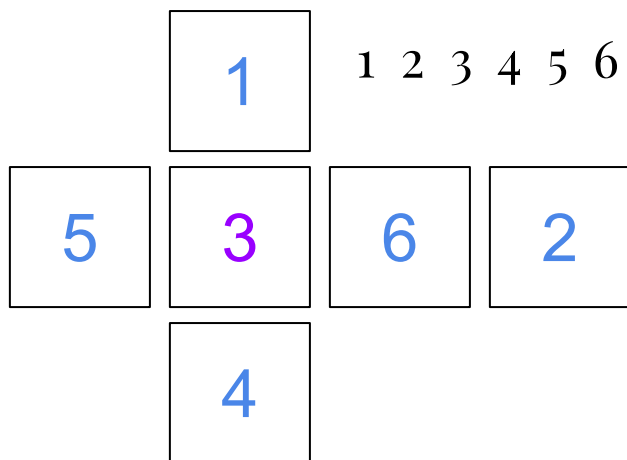
Arrange the numbers on the yellow tiles so that the horizontal line is ten bigger than the vertical line.

### Puzzle 4



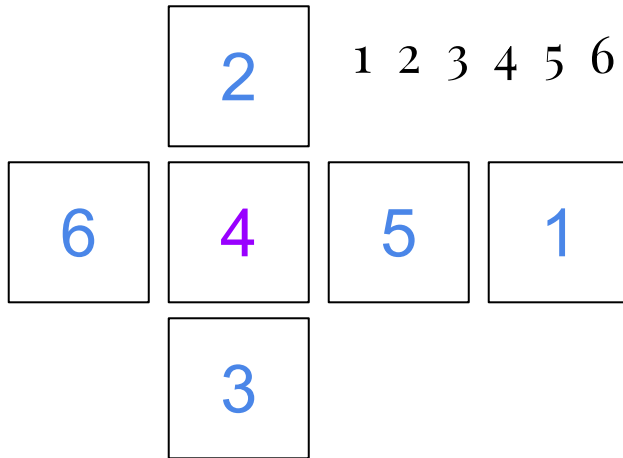
Arrange the numbers on the yellow tiles so that the sum of the four numbers in the horizontal line is three times the sum of the three numbers in the vertical line.

### Puzzle 5



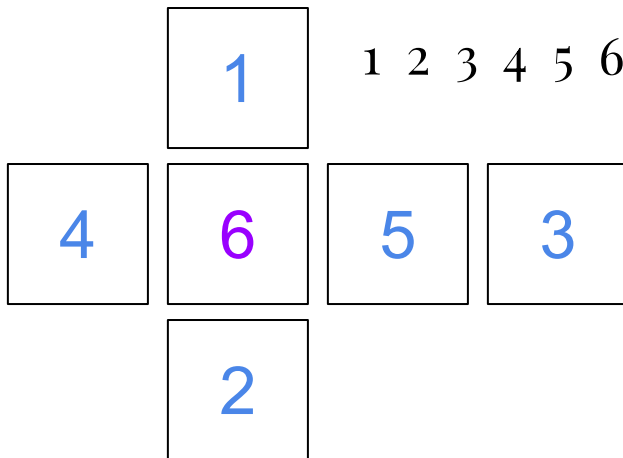
Arrange the numbers on the yellow tiles so that the sum of the numbers in the vertical line is half of the sum of the numbers in the horizontal line.

### Puzzle 6



Arrange the numbers on the yellow tiles so that the sums of the lines are both square numbers.

### Puzzle 7



Arrange the numbers on the yellow tiles so that the sums of both horizontal and vertical lines are multiples of 3.

If you have any more solutions you would like to check, email us!