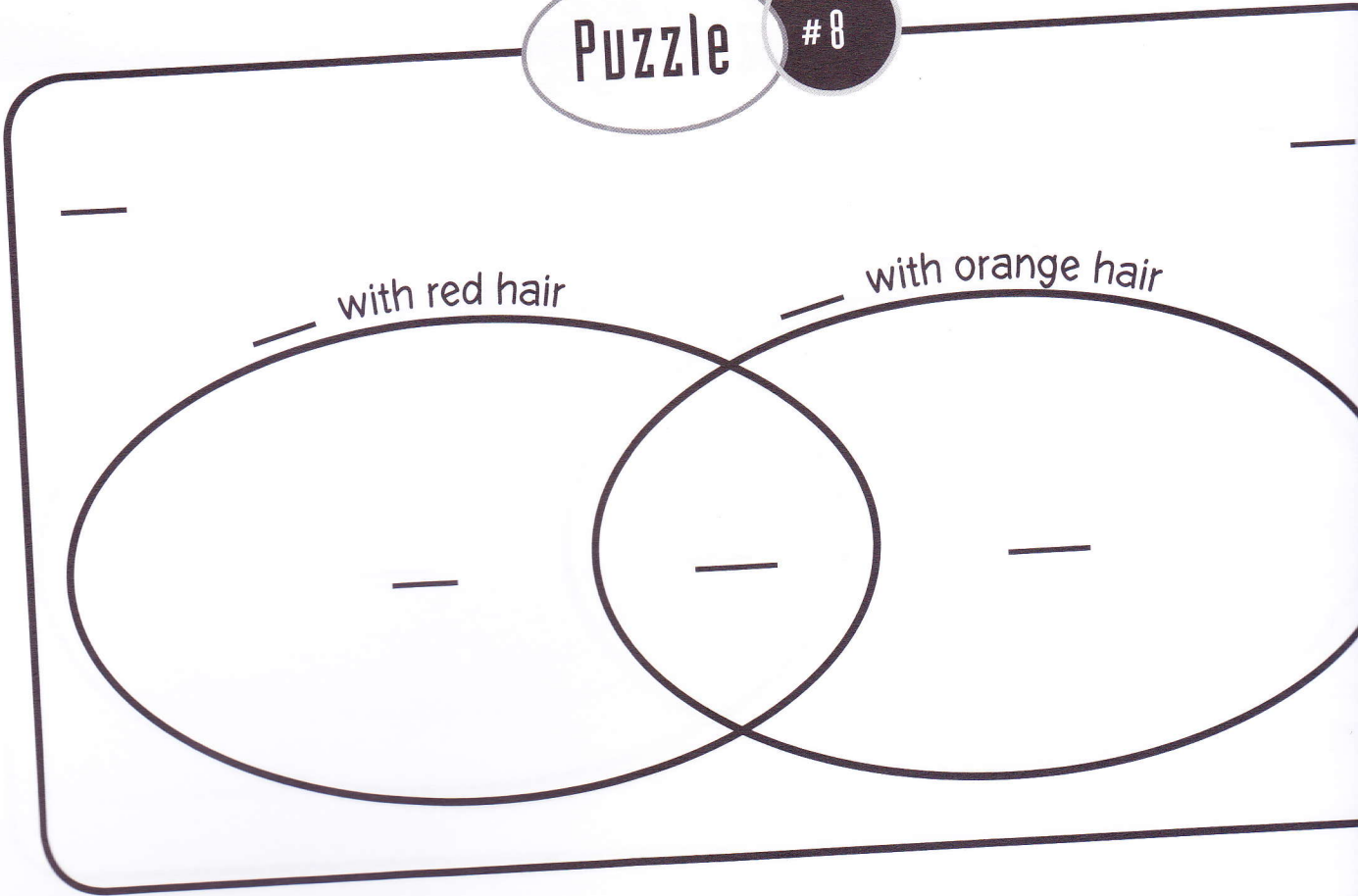


Venn Perplexors

The Story

Some of the aliens have hairs on their heads that change color according to their emotions. If they're excited, hairs turn red. If they're pleased, hairs turn orange. More than one color can show at a time. On the day when Stephen learns to communicate with the aliens, he's with 36 aliens with changeable hair. He sees hair turn red on 27 of them. 3 times as many have orange but no red as have red but no orange. 8 times as many are both excited and pleased as are just excited.

Puzzle #8



? How many aliens are neither excited nor pleased? _____