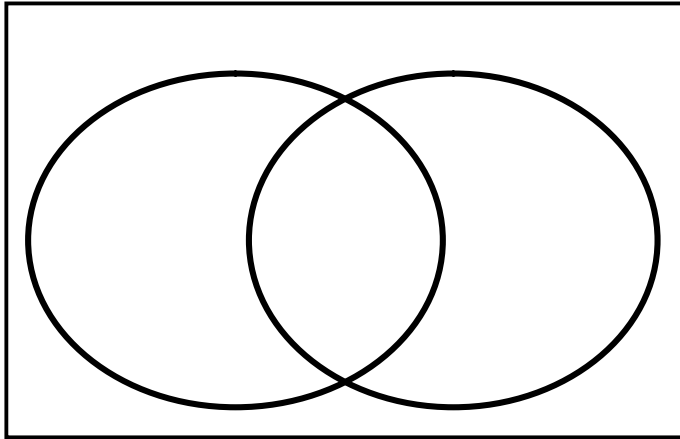


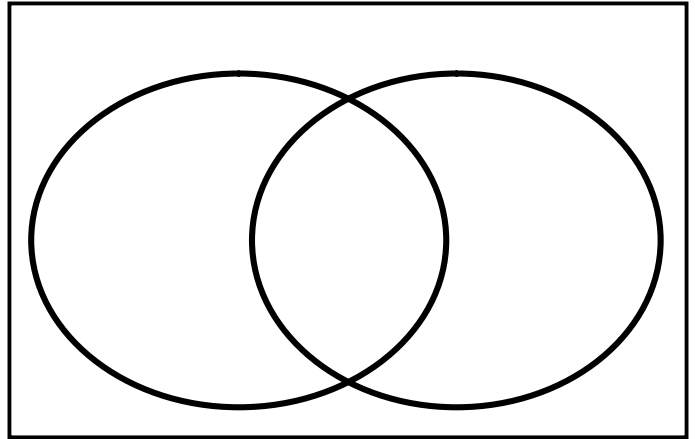
### 0.2c Homework: Least Common Multiple

Make a Venn diagram to find the LCM of each pair of numbers.

1. 2 and 12



2. 6 and 9



$GCF = 20$

Make a list to find the LCM of each pair of numbers.

3. 6 and 15

4. 12 and 18

5. 5 and 8

6. 20 and 4

Find the LCM of each pair of numbers by writing each number as its prime factorization.

7. 9 and 60

8. 18 and 45

9. 12 and 18

10. 30 and 50

11. One racecar driver can circle a one-mile track in 25 seconds. Another driver takes 20 seconds to circle the same track. If they both start at the same time, in how many seconds will they be together again at the starting line? How many laps will each car have made?



12. Each morning starting at 7:00 am a city train makes a stop at a certain street corner every 15 minutes. On that same corner a city bus makes a stop every 12 minutes. When will the train and the bus be at this corner at the same time?



13. Which model represents an LCM that is different than the other 3? Justify your answer.

