

Name: _____

Date: _____

Word problems

Decide whether you need the GCF or the LCM.

1. One bus leaves every 6 minutes and another leaves every 8 minutes. They leave together at 8:00. After how many minutes do they next leave together?

Answer: _____

2. A teacher has 9 pencils and 18 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

3. One bus leaves every 5 minutes and another leaves every 10 minutes. They leave together at 8:00. After how many minutes do they next leave together?

Answer: _____

4. A teacher has 20 pencils and 30 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

5. One bus leaves every 10 minutes and another leaves every 15 minutes. They leave together at 8:00. After how many minutes do they next leave together?

Answer: _____

6. One bus leaves every 6 minutes and another leaves every 9 minutes. They leave together at 8:00. After how many minutes do they next leave together?

Answer: _____

7. A teacher has 18 pencils and 36 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

8. A teacher has 20 pencils and 35 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

9. A teacher has 12 pencils and 28 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

10. A teacher has 8 pencils and 14 erasers. She makes identical sets using all of them. What is the greatest number of sets she can make?

Answer: _____

GCF and LCM: Answer Key

1. 24 minutes

2. 9

3. 10 minutes

4. 10

5. 30 minutes

6. 18 minutes

7. 18

8. 5

9. 4

10. 2