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Module 4 Fractions, Decimals, Percents, and Factors
Lesson 4 Prime Factorization, GCF, and LCM

Additional Practice

4.4

Find the LCM.

1. 8 and 10
40

2. 6 and 60
60

3. 12 and 15
60

4. 9 and 21
63

5. 9 and 24
72

6. 10, 12, and 15
60

7. 5, 6, and 12
60

8. 8, 10, and 12
120

Find the LCM using prime factorization.

9. 14 and 30
210

10. 21 and 56
168

11. 7 and 20
140

12. 14 and 112
112

13. 18, 21, and 24
504

14. 7, 20, and 36
1260

Solve each problem.

15. At 10 A.M., an airplane departs from Hanger A, Hanger B, and Hanger C. Airplanes depart from Hanger A every 15 minutes, from Hanger B every 18 minutes, and from Hanger C every 24 minutes. How many hours will pass before all three hangers have airplanes departing at the same time again?

LCM = 360 $360 \div 60 = 6$
six hours

16. Sarah wants to decorate a children's nursery by stacking colorful blocks around the room. She has 48 blue blocks, 24 green blocks and 36 red blocks. She wants to make as many stacks as possible and have an equal number of each color in each stack. How many stacks can she make? How many of each block will be in each stack?

GCF = 12

Twelve stacks: four blue blocks, two green blocks, and three red blocks in each stack