

WORKSHEET #1

Use a factor tree to find the prime factorization. (put answer in exponential form)

1) 20

2) 54

3) 72

4) 100

5) 70

6) 24

GCF and LCM

Find the GCF of each pair of numbers

1. 60 90

2. 84 92

3. 50 75

4. 29 40

5. 99 66

6. 64 72

Find the LCM of each pair of numbers

7. 9 12

8. 4 12

9. 3 5

10. 2 8

11. 11 7

12. 12 3

Short Answer.

15. Jacob is making emergency preparedness kits to share with friends. He has 54 bottles of water and 42 cans of food, which he would like to distribute equally with none left over. What is the greatest number of kits Jacob can make? How many bottles of water will each have? How many cans of food will each have?

16. Tommy goes swimming every 12 days and hiking every 8 days. He did both today, how many days from now will he do both again?