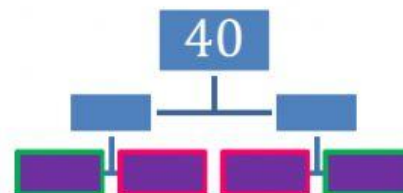
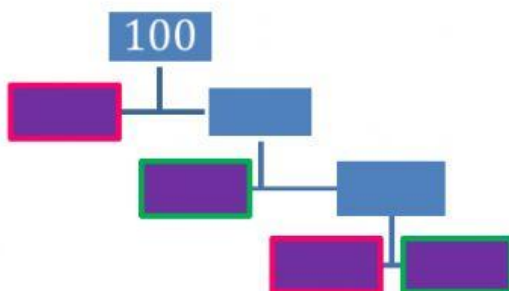


**Complete the following table. (5 points)**

Number	Factors	Prime or Composite
33		
42		
16		
23		
51		
63		

**Write the prime factorization of each number using exponents. (4 points)**



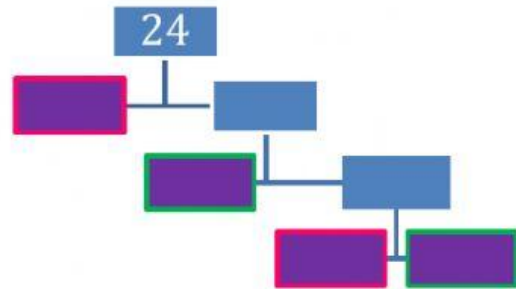
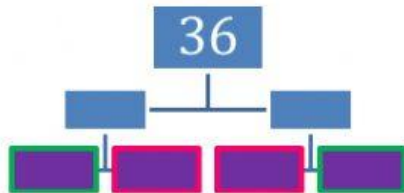
140= \_\_\_\_\_

72= \_\_\_\_\_

**Find the GCF and LCM by using the LISTING METHOD. Show your work. (4 points)**

14 _____	14 _____
35 _____	35 _____
GCF of 14 and 35= _____	LCM of 14 and 35= _____

**Prime factorize to find the LCM and GCF of the following numbers. (4 points)**



36= \_\_\_\_\_

24= \_\_\_\_\_

GCF of 36 and 24= \_\_\_\_\_

LCM of 36 and 24= \_\_\_\_\_

**Solve. (8 points)**

$7+3^3 \div 3 - 2 =$  \_\_\_\_\_

$3 \times 12 - (8 + 2) =$  \_\_\_\_\_

$(100 \times 5) - 200 + 10 =$  \_\_\_\_\_

$(1+4) - (3-2)^9 =$  \_\_\_\_\_

**Solve the following problems. Show your work. (4 points)**

Mohammad says that the prime factorization of  $144 = 3 \times 3 \times 16$ . Is he right or not? Explain.

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The owner of a supermarket receives 15 crates of 54 cans of peas each. He sells 325 cans. How many cans does he still have?

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