

Dragons & Unicorns Math Quest

Factors, Multiples, GCF and LCM — Review Practice

Name: _____ Date: _____

Q1. The Dragon's Secret Number

Ember the dragon is thinking of a secret number. Her number is a multiple of 4. It is greater than 60 but less than 80. Also, 9 is a factor of her number. What is Ember's secret number?

Q2. The Enchanted Meadow

A unicorn and a pegasus both visit the Enchanted Meadow on the same morning. The unicorn comes back to the meadow every 8 days. The pegasus comes back every 20 days. How many days will pass before they are both at the meadow on the same day again?

Q3. Treasure Chests

Blaze the dragon has 32 rubies and 48 gold coins. He wants to pack them into identical treasure chests with nothing left over. What is the greatest number of identical treasure chests he can fill?

Q4. Counting Unicorn Charms

Sparkle the unicorn has 42 magic charms and wants to know every way to share them in equal groups. How many total factors does the number 42 have?

Q5. The Wizard's Riddle

A wizard says: "I multiplied two mystery numbers and got 60. Their Greatest Common Divisor (GCD) is 2." What is the Least Common Multiple (LCM) of the two mystery numbers?