Name: _____          Date: _____

# Lunar Cycle Math Problems

Using the Lunar Cycle Guide, answer the following questions:
1. If May 5th is a full moon when will the next full moon be?
   a) June 2nd
   b) May 31st
   c) June 3rd
   d) June 5th

2. A **monthly blue moon** when there are two full moons in one month. In 2023, there will be a full moon on August 1st, followed by a new moon on August 16th. When will the next blue moon occur?
   a) August 28th or 29th
   b) August 30th or 31st
   c) September 29th or 30th
   d) August 24th or 25th

3. Which month can *never* have a monthly blue moon?
   a) January
   b) February
   c) May
   d) December

4. February often has a heavier snowfall than other months and thus food is scarce. A full moon that occurs in February is called a **snow moon**. If the last new moon was on January 21st, when is the next snow moon?
   a) February 1st.
   b) February 3rd
   c) February 7th
   d) February 5th

Bonus Challenge!
5) The **harvest moon** is the full moon that occurs closest to the *autumnal equinox*. In 2023, this occurs in September and it is the last **supermoon** of the year. A supermoon is when the moon's orbit is nearest to the Earth and it can look larger and brighter than usual. If the *First Quarter* moon occurs on September 22nd, when is the next harvest moon?
   a) September 27th
   b) September 30th
   c) September 25th
   d) September 29th

Answers.[1]