G6-M2 – Topic A

G6-M2-L1: Prior to teaching this topic, students should get some type of review on the two meanings/methods of division – Partitive & Measurement.

- *Partitive* division
    - Example context: 12 apples are divided into two equal groups.
    - The divisor is the number of groups.
    - Articulated in a question: 12 is 2 of what number?
- *Measurement* division
    - Example context: 12 apples are divided into groups of two.
    - The divisor is the group size
    - Articulated in a question: How many groups of 2 are in 12?

Understanding two types of division with whole numbers leads to conceptualization of division with fractions.

G6-M2-L2: For additional practice, consider this free worksheet:

http://www.teacherbilldavidson.com/fractions-decimals-products/divide-whole-numbers-by-unit-fractions

G6-M2-L3: For remediated practice, immerse students in simple divide unit fractions by unit fractions problems:

http://www.teacherbilldavidson.com/fractions-decimals-products/divide-fractions-by-fractions

G6-M2-L4: The opening exercise does not provide enough equivalent fractions practice. If needed, students should have several days of equivalent fraction fluency practice before arriving at this lesson.

G6-M2-L5-6: These are great, engaging lessons, but – in the interests of pacing – you could also skip them and use the content as daily problem solving in lessons that come before & after them.

G6-M2-L7: For additional practice, consider using this free worksheet:

http://www.teacherbilldavidson.com/rational-numbers-ratios-percent-products/reciprocals

G6-M2-L8: Students should master dividing fractions by whole numbers, whole numbers by fractions, and fractions by fractions before dividing fractions & mixed numbers. A subset leading into this lesson's problem set might look like this:

$$\frac{1}{3} \div 2 =$$

$$\frac{3}{4} \div 3 =$$

$$5 \div \frac{1}{3} =$$

$$6 \div \frac{2}{3} =$$

$$\frac{1}{3} \div \frac{1}{2} =$$

$$\frac{2}{5} \div \frac{1}{2} =$$

$$\frac{1}{3} \div \frac{3}{4} =$$

$$\frac{3}{5} \div \frac{2}{3} =$$