Division Word Problems
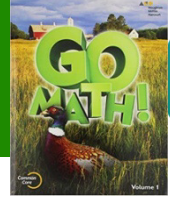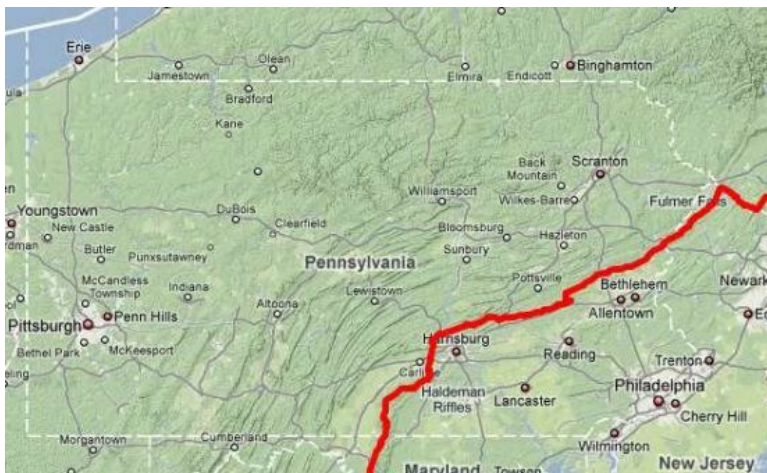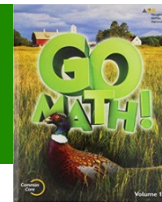
Learning Target:

I can interpret the remainder and using a drawing strategy to solve division word problems.

Go-Math Lesson 2.7 & 2.9

The part of the Appalachian Trail that runs through Pennsylvania is **232 miles** long.

If you and your family want to hike this section for **9 miles each day**, how many days will it take you to hike?

$$9 \overline{)232} \quad \times 25 \quad r = 7$$

x25   r = 7

9) 232
   -18
   ─────
     52
    -45
   ─────
      7

What does the quotient mean?

For 25 days, the family will walk exactly 9 miles per day.

What does the remainder mean?

That there will be 7 more miles to walk after 25 days. They will need a 26th day to complete the trail.

Carla has **212 stickers** to put in her sticker book. Each page holds **18 stickers**.

How many pages does Carla need for all of her stickers.

$$\begin{array}{r} \overset{\text{x}1\;1}{\;\; } \quad \text{r = 14} \\ 18\,\overline{)\,212} \\ -18\downarrow \\ \overline{32} \\ -18 \\ \overline{14} \end{array}$$

What does the quotient mean?

She will have a 11 pages with 18 stickers.

What does the remainder mean?

She will need a 12th page for the remaining 7 stickers.
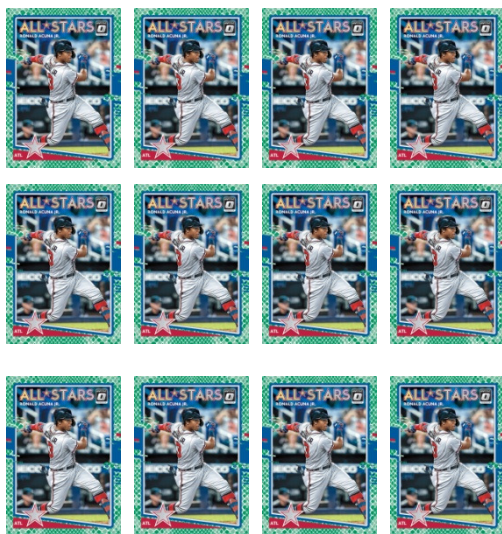**In all she needs 12 pages.**

Avik has **12 times** as many baseball cards as Liam.
Between them, they have **208 baseball cards**.
How many baseball cards does each boy have?

We are going to draw a diagram to solve this problem:

TY:

AVIK:

These pictures show a total of **208 baseball cards**.

So what do we have to do to determine how many cards each boy has?

Avik has **12 times** as many baseball cards as Liam.
Between them, they have **208 baseball cards**.
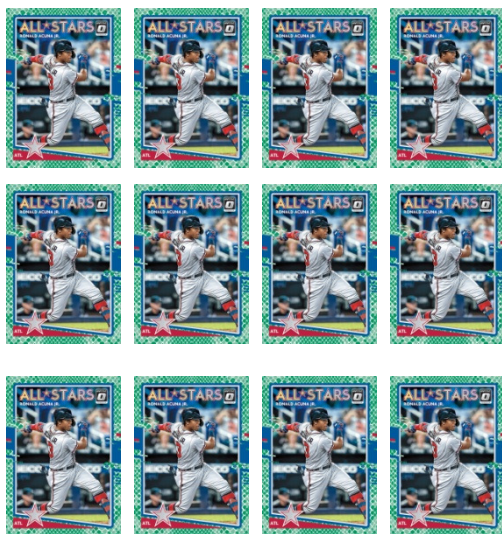How many baseball cards does each boy have?

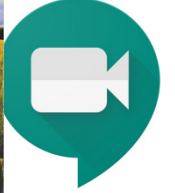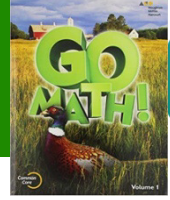*We are going to draw a diagram to solve this problem:*

TY: 16 cards

AVIK:

16 x 12 =
192 cards

$$
\begin{array}{r}
\text{x}16 \\
13\,\overline{)208} \\
-13\downarrow \\
\hline
78 \\
-78 \\
\hline
0
\end{array}
$$

Go-Math Lesson 2.7 & 2.9

Your tasks:

1. Go-Math Lesson 2-7/2.9 Check-in.
2. Complete **Think Central assignments**!
3. **Watch videos** posted on the website
4. Complete **IXL Skills** for the week

You have a lot to do – Don't waste time!