AP CSP Python with Robots **Types of Division Activity Guide**	**Name:**

Instructions: Complete the Activity Guide after you are finished going through the slides and the lesson.

Activity #1 : Given the expression, what are the possible answers?

number % 2	0, 1
number % 7	0, 1, 2, 3, 4, 5, 6
number % 4	0, 1, 2, 3

Activity #2 : Evaluate the expressions:

9 // 4 =	2	20 // 5 =	4
9 % 4 =	1	20 % 5 =	0
9 // 3 =	3	1 // 4 =	0
9 % 3 =	0	1 % 4 =	1
9 // 5 =	1	5 // 7 =	0
9 % 5 =	4	5 % 7 =	5
20 // 6 =	3	85 // 10 =	8
20 % 6 =	2	85 % 10 =	5

Wrap Up:

In your own words, modulo division.

Answers will vary; it should include the remainder of a division problem.

Give an example of when you might use integer and modulo division instead of decimal division:

Slide 8 gives several examples. Students can use one of them or come up with their own.