

Homework/Extension

Divide with Remainders

Developing

1. <

2.

	Remainder of 1	Remainder of 2
Answer between 1,000 and 3,000	$3,364 \div 3 = 1,121 \text{ r}1$	$4,486 \div 4 = 1,121 \text{ r}2$
Answer above 3,000	$6,425 \div 2 = 3,212 \text{ r}1$	$9,635 \div 3 = 3,211 \text{ r}2$

3.

		3	2	1	2
					r1
3		9	6	3	7

		4	2	3	2
					r1
2		8	4	6	5

Expected

4. >

5.

	Remainder of or between 1 and 3	Remainder of or between 4 and 7
Answer below 1,000	$2,345 \div 3 = 781 \text{ r}2$	$5,696 \div 7 = 813 \text{ r}5$
Answer above 1,000	$7,629 \div 6 = 1,271 \text{ r}3$	$6,609 \div 5 = 1,321 \text{ r}4$

6.

		1	2	0	7
					r5
6		7	2	4	7

		1	2	0	1
					r6
8		9	6	1	4

Greater Depth

7. $8,967 \div 8 = 1,120 \text{ r}7$

8.

	Remainder is a prime number	Remainder is a composite number
Answer below 1,000	$4,239 \div 6 = 706 \text{ r}3$	$4,524 \div 5 = 904 \text{ r}4$
Answer above 1,000	$8,486 \div 7 = 1,212 \text{ r}2$	$9,816 \div 9 = 1,201 \text{ r}6$

9. Various answers, for example:

		1	7	1	
					r5
9		1	5	4	4

		1	3	8	0
					r5
7		9	6	6	5