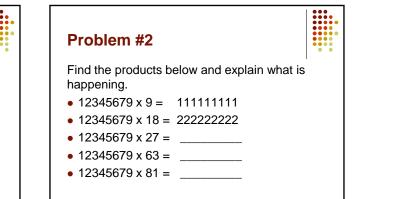
Multiplication and division	

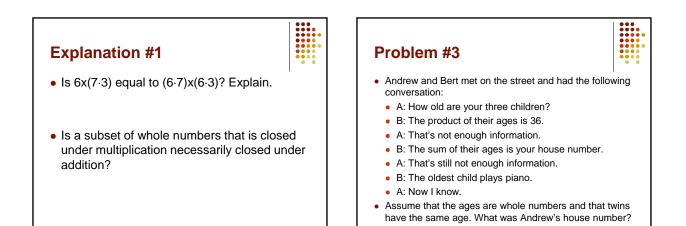
### Problem #1

• You are about to paint your house inside and out. The inside colors you're thinking of are pale green, yellow, light blue and red. Outside options are yellow, orange and brown. If you only choose one color for inside and one for the outside, how many different ways can you paint your house? Is there a systematic way to represent all the color combinations?

#### Exercise #1:

- Find following products using properties of multiplication we just talked about:
  - 45 x 11
  - 97 x 101
  - 21x17-13x17

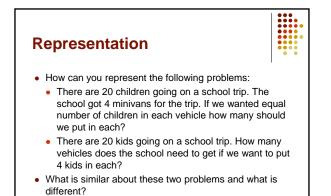




Explanation #2	
• Find	I
213	
<u>×28</u>	
Choose a person in your group who will explain their method and why it works to the rest of the group while everybody else will be carefully listening and comparin their own method and deciding whether they would ex it differently. If you would, then share with the rest what your explanation would be.	ng to plain

Readi	ng mathe	matics	
I	II	Ш	Ι
47	47	47	
<u>x 13</u>	<u>x 13</u>	<u>x 13</u>	
21	141	141	
120	470	47	
70	611	611	
400			
611			

#### 2



# **Explanation #3**

- A student says: "If I want to divide 21 by 6, I just keep subtracting 6 until I get a number less than 6 and that's my answer." How would you respond to this student?
- How many possible remainders are there if you are dividing by 3? а

, , , , ,	a) 2 b) 12	c) 62	d) 23
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# Exercise #2

- Find the quotient and remainder in each:
  - 55 ÷ 12
  - 48 ÷ 8
  - 54 ÷ 6

## **Explanation**

• Model 573 ÷ 4 using base 10 blocks.