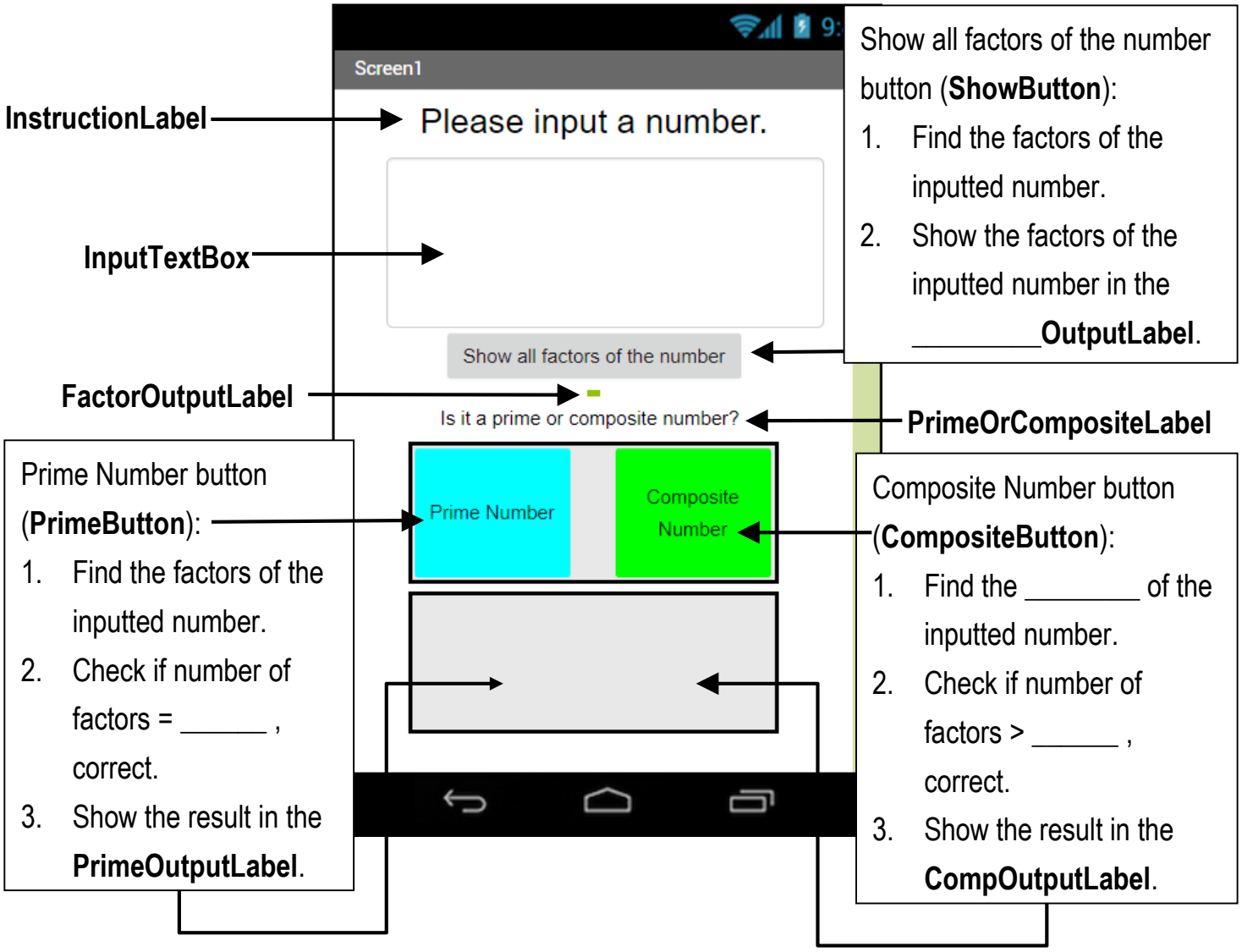
FACTOR APP

In this unit, you will make a math game app to help users test their skills with prime numbers and factoring.

DESIGNER

❑ In the Designer, note the components that are included, according to the image below. Fill in the blanks.



FACTOR APP

Understanding the relationship between Remainders and Factors

❑ Using the first three equations as examples, complete each table. Determine the remainders for each equation, and put a checkmark "✔" under the column "Is Factor?" if the divisor is a factor.

Equation	Dividend	Divisor	Remainder	Is Factor?
7 ÷ 1	7	1	0	✔
7 ÷ 2	7	2	1	
7 ÷ 3	7	3	1	
7 ÷ 4	7	4		
7 ÷ 5	7	5		
7 ÷ 6	7	6		
7 ÷ 7	7	7		

Equation	Dividend	Divisor	Remainder	Is Factor?
8 ÷ 1	8	1	0	✔
8 ÷ 2	8	2	0	✔
8 ÷ 3	8	3	2	
8 ÷ 4	8	4		
8 ÷ 5	8	5		
8 ÷ 6	8	6		
8 ÷ 7	8	7		
8 ÷ 8	8	8		

CT Tips

Algorithmic thinking: You can find the factors of a number in a systematic way.