

# Practicing Number Sense

[www.MathFour.com/number-rings](http://www.MathFour.com/number-rings)

The screenshot shows the Number Rings app interface. At the top, four mathematical operations are displayed with their results:  $6 + 4 = 10$ ,  $6 - 4 = 2$ ,  $6 \times 4 = 24$ , and  $6 / 4 = 1.50$ . To the right of these operations are the labels: **SUM**, **DIFFERENCE**, **PRODUCT**, and **QUOTIENT**. Below the operations are two spinners. The top spinner is labeled **Green Number** and shows numbers 4, 5, 6, 7, 8, with 6 highlighted in green. The bottom spinner is labeled **Blue Number** and shows numbers 2, 3, 4, 5, 6, with 4 highlighted in blue.

For these exercises, you'll need the Number Rings app for the iPhone or the iPad. You can find it at [www.mathfour.com/number-rings-app](http://www.mathfour.com/number-rings-app).

1. Start with both the green and the blue rings on 1. Spin the green ring to any number. What do you notice?
2. Spin both rings until the DIFFERENCE is equal to zero. What do you notice?
3. Spin both rings until the QUOTIENT is 1. Then move the green number. What do you notice?

# Practicing Number Sense

[www.MathFour.com/number-rings](http://www.MathFour.com/number-rings)

4. Spin both rings until the QUOTIENT is 1. This time move the *blue* number. What do you notice?

5. Spin both rings to the number 5. Increase the green number a few at a time. How do the SUM and DIFFERENCE compare?

6. Spin both rings and investigate: where are there negative numbers?

7. What's the biggest number you can get for each of the SUM, DIFFERENCE, PRODUCT and QUOTIENT? What are each of the rings set on for these?

	Biggest	Green Number	Blue Number
SUM			
DIFFERENCE			
PRODUCT			
QUOTIENT			

	Smallest	Green Number	Blue Number
SUM			
DIFFERENCE			
PRODUCT			
QUOTIENT			