Fractions and Division

You can think of fractions as division: The numerator is the same as the dividend and the denominator is the same as the divisor.

Write $\frac{5}{8}$ as a division expression.
Think: $\frac{1}{8}$ of 5 wholes.

Shortcut: The numerator is 5, so the dividend is 5. The denominator is 8, so the divisor is 8.

So $\frac{5}{8} = \frac{5}{8} \div 8$.

Write $3 \div 8$ as a fraction.
Think: 3 wholes divided into 8 equal parts. Each part is equal to $\frac{3}{8}$.

Shortcut: The dividend is 3, so the numerator is 3. The divisor is 8, so the denominator is 8.

So $3 \div 8 = \frac{3}{8}$.

Write a division expression for each fraction.

1. $\frac{2}{3}$

2. $\frac{3}{7}$

3. $\frac{7}{13}$

4. $\frac{7}{10}$

5. $\frac{5}{8}$

6. $\frac{3}{19}$

7. $\frac{13}{17}$

Write each division expression as a fraction.

8. $3 \div 8$

9. $3 \div 14$

10. $7 \div 9$

11. $4 \div 5$

12. $9 \div 10$

13. $13 \div 16$

14. Explain how to write thirteen divided by thirty-three as a division expression and as a fraction.