

$$\frac{3}{4} \div \frac{1}{8} = 6$$

$$\frac{1}{3} \div \frac{1}{9} = 3$$

$$\frac{2}{5} \div \frac{1}{10} = 4$$

$$3 \times 8 \div 4 \times 1 = 6$$

$$1 \times 9 \div 3 \times 1 = 3$$

$$2 \times 10 \div 5 \times 1 = 4$$

Rather than multiplying diagonally and dividing, we will use the second pattern and invert the divisor and then multiply the numerators, then the denominators, we get the same result.

Algorithm for Dividing Fractions

- 1. Make sure you have fractions*
- 2. Invert the divisor*
- 3. Cancel, if possible*
- 4. Multiply numerators*
- 5. Multiply denominators*
- 6. Simplify*