

## Unit 1: Review of operations with rational numbers

### Multiplying signed fractions

1. Find  $-7 \cdot \frac{3}{49}$ .

2. Find  $-\frac{5}{9} \cdot -\frac{3}{15}$ .

### Adding integers

1. Find  $-2 + 3$ .

2. Find  $5 + (-3)$ .

### Dividing signed fractions

1. Find  $-\frac{5}{6} \div \frac{3}{4}$ .

2. Find  $-4 \div -\frac{1}{2}$ .

3. Find  $-5 + (-3)$ .

### Subtracting integers

Find each difference by rewriting it as an addition problem:

1.  $5 - 3$ .

2.  $-5 - 3$ .

3.  $-5 - (-3)$ .

### Combining multiple operations

1. Find  $-2 \div \frac{3}{4} - 1$ .

2. Find  $1 + \frac{5}{3} \div (-\frac{5}{4})$ .

3. Find  $-6\frac{2}{5} \div -\frac{2}{3}(6)$ .

4. Find  $-\frac{1}{3} \cdot \frac{4}{5} - (-\frac{3}{5})$ .

### Adding and subtracting signed fractions

1. Find  $3\frac{1}{8} + \frac{3}{4} + (-2\frac{1}{6})$ .