

## Figure 4.1b Rational Number Worksheets – Tier 2-3

### 1) Working with Fractions

Add:  $\frac{2}{5} + \frac{3}{4} =$

Explain: How do you add fractions?

Subtract:  $\frac{6}{7} - \frac{2}{3} =$

Explain: How do you subtract fractions?

Multiply:  $\frac{4}{9} \cdot \frac{3}{4} =$

Explain: How do you multiply fractions?

Divide:  $\frac{1}{3} \div \frac{5}{6} =$

Explain: How do you divide fractions?

### 2) Working with Decimals

Add:  $8.31 + 4.78 =$

Explain: How do you add decimals?

Subtract:  $25.72 - 8.95 =$

Explain: How do you subtract decimals?

Multiply:  $9.12 \cdot 4.16 =$

Explain: How do you multiply decimals?

Divide:  $132.84 \div 4.2 =$

Explain: How do you divide decimals?

### 3) Working with Integers

Add:  $-7 + 4 =$

Explain: How do you add integers?

Subtract:  $-3 - 8 =$

Explain: How do you subtract integers?

Multiply:  $8 \cdot -4 =$

Explain: How do you multiply integers?

Divide:  $-132 \div -4 =$

Explain: How do you divide integers?

#### 4) Working with Rational Numbers

Add:  $\frac{-2}{5} + \frac{3}{4} =$

Explain: How do you add rational numbers?

Subtract:  $\frac{6}{7} - \frac{-2}{3} =$

Explain: How do you subtract rational numbers?

Multiply:  $\frac{4}{9} \cdot \frac{-3}{4} =$

Explain: How do you multiply rational numbers?

Divide:  $\frac{-1}{3} \div \frac{-5}{6} =$

Explain: How do you divide rational numbers?

Explain how operations with rational numbers combine what you already know about integers and fractions. Use the examples above to support your explanations.

