

Name \_\_\_\_\_

## Guided Lesson Explanation Whole Numbers and Mixed Number Operations

1.  $5\frac{2}{5} + 2\frac{3}{4}$

**Step 1) Get all the values in fraction form.**

$$5\frac{2}{5} = \frac{27}{5} \qquad 2\frac{3}{4} = \frac{11}{4}$$

**Step 2) Find a common denominator. In this case 20 works.**

$$\frac{27}{5} = \frac{108}{20} \qquad \frac{11}{4} = \frac{55}{20}$$

**Step 3) Add the fractions.**

$$\frac{108}{20} + \frac{55}{20} = \frac{163}{20}$$

**Step 4) Convert the fraction to a mixed number.**

$$\frac{163}{20} = 8\frac{3}{20}$$

2.  $8\frac{1}{3} - 1\frac{2}{3} =$

**Step 1) Get all the values in fraction form.**

$$8\frac{1}{3} = \frac{25}{3} \qquad 1\frac{2}{3} = \frac{5}{3}$$

**Step 2) Subtract the fractions.**

$$\frac{25}{3} - \frac{5}{3} = \frac{20}{3}$$

**Step 3) Convert the fraction to a mixed number.**

$$\frac{20}{3} = 6\frac{2}{3}$$



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**3.  $40 \div 3\frac{1}{3}$**

**Step 1) Get all the values in fraction form.**

$$40 = \frac{120}{3}$$

$$3\frac{1}{3} = \frac{10}{3}$$

**Step 2) Divide the fractions.**

$$\frac{120}{3} \div \frac{10}{3} = \quad \text{(Reciprocal of second fraction)}$$

$$\frac{120}{3} \times \frac{3}{10} = \frac{360}{30} \quad \text{(Multiply)}$$

$$\frac{360}{30} = 12$$

