**Lesson 2 Small-Group Practice**

1. $\frac{5}{8}+2\frac{3}{4}$
	1. **Describe** how to compute the sum ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

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* 1. **Compute** the sum. Clearly **show** each step of your work.
	2. **State** the sum. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
1. -3.25 – 4.75
	1. **Describe** how to compute the difference ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

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* 1. **Compute** the difference. Clearly **show** each step of your work.
	2. **State** the difference. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
1. $-\frac{2}{3}+\frac{4}{9}$
	1. **Describe** how to compute the sum ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

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* 1. **Compute** the sum. Clearly **show** each step of your work.
	2. **State** the sum. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
1. This month, Aaron had to use  of his monthly paycheck to pay the bills. Last month, he had to use  of his monthly paycheck to pay the bills. How much more of his monthly paycheck did he have to use last month than this month to pay the bills?
	1. **Express** the real-life situation as a number sentence. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
	2. **Explain** how you knew which operator to use in your expression from **part a**.

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* 1. **Answer** the question by evaluating your number sentence from **part a**. Clearly **show** each step of your work.
1. This week, Amy put 6.7 gallons of gas into her car. Last week, she put 8.2 gallons of gas into her car. How many fewer gallons of gas did she put into her car this week than last week?
	1. **Express** the real-life situation as a number sentence. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
	2. **Explain** how you knew which operator to use in your expression from **part a**.

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* 1. **Answer** the question by evaluating your number sentence from **part a**. Clearly **show** each step of your work.

**Lesson 2 Small Group Practice - KEY**

1. $\frac{5}{8}+2\frac{3}{4}$
	1. **Describe** how to compute the sum ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

First I will change the mixed number into an improper fraction. Then I will rewrite the expression using a lowest common denominator. Then I will add the numerators and put this sum over the lowest common denominator. Then I will simplify.

* 1. **Compute** the sum. Clearly **show** each step of your work.

$$\frac{5}{8}+2\frac{3}{4}=\frac{5}{8}+\frac{11}{4}$$

$$\frac{5}{8}+\frac{22}{8}=\frac{5+22}{8}=\frac{27}{8}=3\frac{3}{8}$$

* 1. **State** the sum. $3\frac{3}{8}$
1. -3.25 – 4.75
	1. **Describe** how to compute the difference ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

First I will rewrite the subtraction sign as an addition sign by “adding the opposite.” I know that adding two negative values makes an even larger negative value, so I will remind myself that my sum should be negative. Then I will line up the digits and decimal points vertically to add the numbers.

* 1. **Compute** the difference. Clearly **show** each step of your work.

-3.25 – 4.75 = -3.25 + -4.75 = -8.00

* 1. **State** the difference.-8
1. $-\frac{2}{3}+\frac{4}{9}$
	1. **Describe** how to compute the sum ***without*** using a number line. *Should you rewrite the numbers or expression before beginning? How will you set the problem up?*

First I will rewrite the fractions so they have a common denominator. Then I will add the numerators and put the sum over the common denominator. Then I will simplify.

* 1. **Compute** the sum. Clearly **show** each step of your work.

$$-\frac{2}{3}+\frac{4}{9}=-\frac{6}{9}+\frac{4}{9}$$

$$\frac{-6+4}{9}=\frac{-2}{9}=-\frac{2}{9}$$

* 1. **State** the sum. $-\frac{2}{9}$
1. This month, Aaron had to use  of his monthly paycheck to pay the bills. Last month, he had to use  of his monthly paycheck to pay the bills. How much more of his monthly paycheck did he have to use last month than this month to pay the bills?
	1. **Express** the real-life situation as a number sentence. $\frac{3}{4}-\frac{2}{3}$
	2. **Explain** how you knew which operator to use in your expression from **part a**.

“How much more” indicates subtraction.

* 1. **Answer** the question by evaluating your number sentence from **part a**. Clearly **show** each step of your work.

$$\frac{3}{4}-\frac{2}{3}=\frac{1}{12}$$

Aaron had to use $\frac{1}{12}$ more of his monthly paycheck last month than this month.

1. This week, Amy put 6.7 gallons of gas into her car. Last week, she put 8.2 gallons of gas into her car. How many fewer gallons of gas did she put into her car this week than last week?
	1. **Express** the real-life situation as a number sentence. 8.2 – 6.7
	2. **Explain** how you knew which operator to use in your expression from **part a**.

“How many fewer” indicates subtraction.

* 1. **Answer** the question by evaluating your number sentence from **part a**. Clearly **show** each step of your work.

8.2 – 6.7 = 1.5

Amy put 1.5 fewer gallons of gasoline in her car last week than this week.