#### **MOMENTUM MATH LEVEL F**

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# ADDING AND SUBTRACTING FRACTIONS WITH A COMMON DENOMINATOR



**Today's Destination** 

How is combining fractions like combining whole numbers, and how is it different?



**Vocabulary** —

**Common Denominator** A denominator that is a multiple of the denominators of two or more fractions



Problem of the Day —



Which fraction represents the greater amount:  $\frac{1}{4}$  or  $\frac{3}{4}$ ?



### IN THE DRIVER'S SEAT

#### Solve each problem below using addition or subtraction.

1) Arun has  $7\frac{3}{4}$  extra-credit points, and his best friend Sally has  $5\frac{3}{4}$  extra-credit points. How many extra-credit points do they have in all?

Compute It!

2) Kaylie swam the length of the pool in  $2\frac{1}{2}$  minutes. It took Latoya  $3\frac{1}{4}$  minutes to swim the same distance. How much longer did it take Latoya?

Compute It!

3) Morella painted  $1\frac{1}{2}$  pictures in art class last week and  $2\frac{1}{4}$  pictures this week. How many pictures has Morella painted altogether?

Compute It!

4) Cesar mixed  $2\frac{1}{3}$  cups of flour with  $1\frac{1}{4}$  cups of rolled oats. How much more flour was in the mixture than rolled oats?

Compute It!

# SIDE TRIPS

1) Write two different questions to create an addition problem and a subtraction problem using the facts below. Solve each problem.

Olive's recipe for banana bread calls for  $1\frac{1}{4}$  cups of flour. Dan's recipe for banana bread calls for  $2\frac{2}{3}$  cups of flour.

Write It!	Subtraction Question:
Compute It!	
Write It!	Addition Question:
Compute It!	

2) Write two different questions to create a multiplication problem and a division problem using the facts below. Solve each problem.

James is making origami for his art project. He spends  $1\frac{3}{4}$  hours making the origami. It takes James  $\frac{1}{8}$  of an hour to make one piece of origami. Of the  $1\frac{3}{4}$  hours James spends, he spends  $\frac{1}{2}$  of the time making cranes.

WriteIt!	Multiplication Question:
Compute It!	
Write It!	Division Question:

Compute It!