MOMENTUM MATH LEVEL G



Unit 1—Fraction Operations
Lesson A: Adding and Subtracting Fractions with a Common Denominator
Lesson B: Adding and Subtracting Fractions with Unlike Denominators
Lesson C: Adding Improper Fractions and Mixed Numbers
Lesson D: Subtracting Improper Fractions and Mixed Numbers 31 <i>How do you regroup when you subtract improper fractions and mixed numbers?</i>
Lesson E: Applications of Addition and Subtraction
Lesson F: Understanding Fraction Multiplication
Lesson G: Multiplying Fractions
Lesson H: Fraction Division
Lesson I: Applications of Multiplication and Division
Lesson J: Choosing an Operation
Glossary

ADDING AND SUBTRACTING FRACTIONS WITH A COMMON DENOMINATOR

A

Today's Destination

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

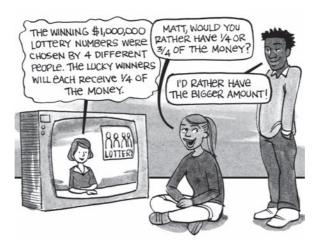


Vocabulary =

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:

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.

Compute It!