Fraction Addition, Subtraction, Multiplication Review

Addition

A. $3\frac{1}{5} + 4\frac{3}{5} =$

B. $2\frac{5}{9} + 3\frac{5}{6} =$

Why might B be considered a more complicated problem than A? What do you need to keep in mind when solving fraction addition problems?

Subtraction

A. $3\frac{9}{11} - 1\frac{2}{11} =$

B. $4\frac{1}{4} - 2\frac{5}{7} =$

Why might B be considered a more complicated problem than A? What do you need to keep in mind when solving fraction subtraction problems?

Multiplication

A. $\frac{3}{4} \times \frac{3}{5} =$

B. $1\frac{3}{8} \times 5\frac{1}{3} =$

Why might B be considered a more complicated problem than A? What do you need to keep in mind when solving fraction multiplication problems?

Fraction Word Problems

The following problems may require **addition, subtraction, multiplication, or a combination of operations**. Read each problem carefully and use context clues to determine which operation will help solve the problem, write a number sentence(s) to represent the problem, and answer the question in a full sentence.

1. A turtle walks $\frac{1}{8}$ of a mile in an hour. How many miles will the turtle walk in $2\frac{1}{4}$ hours?		
Circle the Operation(s) used + − ×	Number Sentence	Answer

2. Jada and her friend are painting a wall. Jada paints $\frac{1}{8}$ of the wall, and her friend paints $\frac{1}{12}$ of the wall. How much more of the wall do they have to paint?		
Circle the Operation(s) used + − ×	Number Sentence	Answer

3. Karla wants to make 22 small pizzas for a party. She has 16 cups of flour. Each pizza crust requires $\frac{3}{4}$ cups of flour. Does she have enough flour? Explain.		
Circle the Operation(s) used + − ×	Number Sentence	Answer

4. Judy uses $2\frac{3}{4}$ pounds of potatoes every week. How many pounds of potatoes does she use in $3\frac{1}{2}$ weeks?

Circle the Operation(s) used	Number Sentence	Answer
+ − ×		

5. Charlie is making bows to put on wreaths. Each bow uses $2\frac{3}{4}$ yards of ribbon. A spool contains 15 yards of ribbon. How many bows can Charlie make from one spool?

Circle the Operation(s) used	Number Sentence	Answer
+ − ×		

6. What is the area of a rectangle that is $4\frac{1}{3}$ wide and $\frac{1}{7}$ long? What is the perimeter of that rectangle?

Circle the Operation(s) used	Number Sentence	Answer
+ − ×		

Fraction Addition, Subtraction, Multiplication Reflection

1. What are situations in which adding fractions is useful?

   _____

   _____

2. What are situations in which subtracting fractions is useful?

   _____

   _____

3. What operation do you use when you find a part of a part?

   _____

   _____

4. Provide an example for each of the statements:
   a. When you multiply a fraction by another fraction, your answer might be less than both factors.

   _____

   _____

   b. When you multiply a fraction by another fraction, your answer might be more than one of the factors.

   _____

   _____

   c. When you multiply a fraction by another fraction, your answer might be more than both factors.

   _____

   _____

5. What are you confused about? What do you want to know next?

   _____

   _____

   _____