

NAME: _____



Purpose

To add fractions with unlike denominators

Math Words

addends

The addends in the number sentence $120 + 37 = 157$ are 120 and 37.

common denominator

The fractions $\frac{1}{7}$ and $\frac{3}{7}$ have 7 as a common denominator.

unlike

Things that are unlike, like the numbers 3 and 4, are different.

sum

The sum of 5 plus 8 is 13.

Starter Problem

Find the sum. Think about the meaning.

Jen walked $\frac{1}{4}$ mile to the store and then $\frac{3}{8}$ mile more to her friend's house. How far did she walk?

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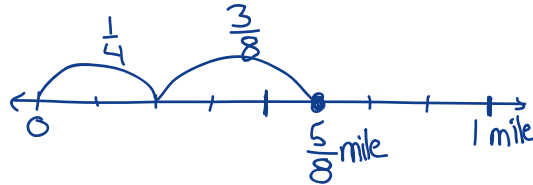
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Student Thinking



Alberto

I needed to show one fourth and three eighths together, so I marked the mile into eighths. That's my common denominator. Jen walked five eighths of a mile.



$$\frac{1}{4} + \frac{3}{8} = ?$$

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



Glenda

I added the 1 and the 3, then the 4 and the 8, and got four twelfths. It's one third in lowest terms.



$$\frac{1}{4} + \frac{3}{8} = \frac{4}{12} = \frac{1}{3}$$

Things to Remember

- * _____
- * _____
- * _____
- * _____



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Our Turn

Solve. Use a number line or other drawings to help you.

1. Ricky rode his bicycle $\frac{3}{8}$ of a mile before taking a snack break. Then he rode his bicycle $\frac{1}{2}$ mile more. How far did he ride in all?

2. Mrs. Wilson mixed $\frac{1}{2}$ pound of chocolate and $\frac{1}{3}$ pound of marshmallows to make candy. How much did this mixture weigh?

3. $\frac{2}{3} + \frac{1}{6} =$ _____

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My Turn

Solve. Use a number line or other drawings to help you.

- John used $\frac{3}{4}$ yard of black ribbon and $\frac{1}{8}$ yard of yellow ribbon to make a frame for a picture. What is the total length of ribbon he used?

- Mr. Nelson mixed $\frac{1}{3}$ can of yellow finger paint and $\frac{1}{6}$ can of red finger paint to make orange. How much of a can of orange finger paint did he make?

- $$\begin{array}{r} \frac{3}{5} \\ + \frac{1}{3} \\ \hline \end{array}$$

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Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1. $\frac{7}{10} + \frac{1}{5} =$ _____

☐ $\frac{9}{10}$ ☐ $\frac{8}{10}$ ☐ $\frac{8}{15}$ ☐ not given

2. $\frac{3}{4} + \frac{1}{8} =$ _____

☐ $\frac{1}{3}$ ☐ $\frac{7}{8}$ ☐ 1☐ not given

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Writing Task Mini Lesson

Explain how you know that the sum of $\frac{2}{3}$ of an hour and $\frac{1}{6}$ of an hour is $\frac{5}{6}$ of an hour. You may draw a picture on the back to help you explain.



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