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Math 5

UNIT 4 – Adding and Subtracting Fractions

4-6 Fractions in Real World

(Addition and Subtraction)



CCSS.MATH.CONTENT.5.NF.A.2

	Solve word problems involving addition and		
	subtraction of fractions referring to the same whole		
	including cases of unlike denominators, e.g., by		
Common Core	using visual fraction models or equations to		
Standards	represent the problem. Use benchmark fractions		
	and number sense of fractions to estimate mentally		
	and assess the reasonableness of answers.		
	For example, recognize an incorrect result 2/5 + 1/2		
	<i>= 3/7,</i> by observing that <i>3/7 < 1/2</i> .		

4-6 Fractions in Real World (Addition and Subtraction)



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Finding Unknown Fractions (Single Step)



Use the information in the box to match the symbols and fractions.

$\frac{*}{14} - \frac{1}{7}$	$=\frac{9}{14}$	$\frac{\boxtimes}{12} + \frac{1}{3}$	$=\frac{11}{12}$
$\frac{\triangle}{15} - \frac{2}{3}$	$=\frac{1}{5}$	$\frac{\otimes}{16} + \frac{1}{8}$	$=\frac{5}{16}$



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Finding Unknown Fractions in Real World

(Single Step Problems)

Harold and Robins are selling their summer orange drink near their house. They have already sold $\frac{1}{4}$ of a pitcher and now have $\frac{2}{3}$ of the pitcher left for them to sell.

What fraction of the pitcher was filled with their orange drink at first?



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Fill the blanks with √ if the statement is true or × if otherwise.

- 1. Marian needs $5\frac{9}{10}$ liters of paint to repaint her room. If her sister gave her $2\frac{7}{10}$ liters of paint, she only needs $3\frac{2}{10}$ liters more.
- _2. Joseph ran $3\frac{4}{5}$ km on Monday and ran $3\frac{1}{10}$ km on Tuesday. He's now covered $6\frac{9}{10}$ kilometers.
- _3. Hillary has $6\frac{5}{9}$ liters of gas when

she left for a road trip. She'll be stopping by Sametown which takes up $2\frac{1}{3}$ liters of gas. Her next stop, Smallville, would require $4\frac{2}{9}$ liters of gas if she drives her car. Hillary would need more gas to complete the trip.

Finding Unknown Fractions (Multi-Step)



Complete the flow chart below to find the unknown symbol.



Finding Unknown Fractions in Real World

(Multi-Step Problems)

Tony and his team of volunteers helped clean up a total of $4\frac{1}{2}$ kg of trash in their neighborhood, and cleaned up another $3\frac{1}{4}$ kg of trash. $2\frac{1}{8}$ kilograms of trash were sent for recycling and the rest were disposed properly. How many kilograms of trash did they throw away?



Finding Unknown Fractions in Real World

(Multi-Step Problems)

Jake needs to run for a total of $10 \frac{7}{8}$ kilometers in a week. He has already completed $2 \frac{1}{16}$ kilometers on Monday and then some on Wednesday. If he still needs to complete $3\frac{1}{8}$ kilometers, how many kilometers did he complete on Wednesday?



Use the clues from Alma, Carol, and Bettina to fill in the missing values.

Bettina: "I walked $3\frac{1}{8}$ more miles than Alma."

Alma: "At least I'm not alone, Carol and I walked the same distance." Carol: "Wow, I can't believe I've walked $2\frac{1}{4}$ miles today!"



Use the information in the box to match the symbols and fractions.

Fill the blanks with \checkmark if the statement is true or x if otherwise.

- 1. ✓ 2. ✓
- 3.

×

Complete the flow chart below to find the unknown symbol.

Use the clues from Alma, Carol, and Bettina to fill in the missing values.

