

Name _____
 SCCA

Date _____
 Math - Ms. Scully

Lesson 7: Fraction Word Problems

1. George weeded ^{5ft.} $\frac{1}{5}$ of the garden, and Summer weeded some, too. When they were finished, ^{10ft.} $\frac{2}{3}$ of the garden still needed to be weeded. What fraction of the garden did Summer weed?

$\frac{1}{5}$?	$\frac{2}{3}$	= $\frac{15}{15}$
<small>3 15</small>	<small>2 15</small>	<small>10 15</small>	
George	Summer	needs to be weeded	

$$\frac{1}{5} + \frac{2}{3} = \frac{3}{15} + \frac{10}{15} = \frac{13}{15}$$

$$\frac{15}{15} - \frac{13}{15} = \frac{2}{15}$$

2. Jim spent $\frac{1}{3}$ of his money on a pack of pens, $\frac{1}{2}$ of his money on a pack of markers, and $\frac{1}{8}$ of his money on a pack of pencils. What fraction of his money is left?

$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{1}{24}$?
<small>8 24</small>	<small>12 24</small>	<small>3 24</small>	<small>1 24</small>
pens	markers	pencils	left over

$$\frac{1}{3} + \frac{1}{2} = \frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$\frac{5}{6} + \frac{1}{8} = \frac{40}{48} + \frac{6}{48} = \frac{46}{48}$$

$$\frac{48}{48} - \frac{46}{48} = \frac{2}{48} = \frac{1}{24}$$

3. Shelby bought a 2-ounce tube of paint. She used $\frac{2}{3}$ ounce to paint the water, $\frac{3}{5}$ to paint the sky, and some to paint a flag. After that, she had $\frac{2}{15}$ ounce left. How much paint did Shelby use to paint her flag?

$\frac{2}{3}$	$\frac{3}{5}$	$\frac{9}{15}$?	$\frac{2}{15}$
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Water Sky flag left over

$\frac{2}{3} + \frac{3}{5} = \frac{10}{15} + \frac{9}{15} = \frac{19}{15}$

$\frac{19}{15} + \frac{2}{15} = \frac{21}{15}$

$\frac{21}{15} - \frac{2}{15} = \frac{19}{15}$

4. Jim sold $\frac{3}{4}$ gallon of lemonade. Dwight sold some lemonade, too. Together they sold $1 \frac{5}{12}$ gallons. Who sold more lemonade, Jim or Dwight? How much more?

$\frac{3}{4}$	$\frac{9}{12}$?	$\frac{2}{3}$	$\frac{8}{12}$
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Jim Dwight

Jim sold more lemonade Jim sold $\frac{1}{2}$ gallon more lemonade.

$1 \frac{5}{12} - \frac{3}{4} = \frac{17}{12} - \frac{9}{12} = \frac{8}{12} = \frac{2}{3}$

5. Leonard spent $\frac{1}{4}$ of his money on a sandwich. He spent 2 times as much on a gift for his brother as on some comic books. He had $\frac{3}{8}$ of his money left. What fraction of his money did he spend on comic books?

$\frac{1}{4}$	$\frac{2}{8}$?	$\frac{1}{8}$?	$\frac{3}{8}$
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Sandwich gift comic books money left over

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