Warm Up Grade 7

1) Show your work and answer the following:

a) $\frac{13}{4} + \frac{1}{6}$ (3x, x2)

$\frac{39}{12} + \frac{2}{12}$

$= \frac{41}{12} = 3\frac{5}{12}$

b) $\frac{10}{11} - \frac{1}{4}$ (4x, x11)

$\frac{40}{44} - \frac{11}{44}$

$= \frac{29}{44}$

2) Sarah and Jeff are eating chocolate bars. Sarah has 2/3 left and Jeff has 5/7 left.

a) How much do they have left all together?

b) If Owen comes along and eats 1 whole bar will there be any left, how much?

a) $\frac{2}{3} + \frac{5}{7}$ (7x, 7x, x3, x3)

$= \frac{14}{21} + \frac{15}{21}$

$= \frac{29}{21}$

$= 1\frac{8}{21}$

b) $\frac{29}{21} - \frac{1}{1}$

$\frac{29}{21} - \frac{21}{21}$

$\frac{8}{21}$ is left.

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1a) $\frac{4}{5} - \frac{2}{5}$

$\frac{2}{5}$

b) $\frac{2}{3} - \frac{1}{3}$

$\frac{1}{3}$

c) $\frac{7}{9} - \frac{4}{9}$

$\frac{3}{9} = \frac{1}{3}$

d) $\frac{5}{7} - \frac{3}{7}$

$\frac{2}{7}$

2 a) $\frac{2}{3} \overset{\times 2}{\underset{\times 2}{}} - \frac{1}{6}$

$\frac{4}{6} - \frac{1}{6}$

$\frac{3}{6} < \frac{1}{2}$

b) $\frac{5}{8} - \frac{1}{2}$

$\frac{5}{8} - \frac{4}{8}$

$\frac{1}{8}$

c) $\frac{3}{2} - \frac{7}{10} \approx > \frac{1}{2}$

$\frac{15}{10} - \frac{7}{10}$

$\frac{8}{10} = \frac{4}{5}$

d) $\frac{11}{12} - \frac{5}{6} \approx < \frac{1}{6}$

$\frac{11}{12} - \frac{10}{12}$

$\frac{1}{12}$

3 a) $\frac{3}{4} \times \frac{3}{3} - \frac{2}{3} \times \frac{4}{4}$

$\frac{9}{12} - \frac{8}{12}$

$\frac{1}{12}$

b) $\frac{4}{5} - \frac{2}{3}$

$\frac{12}{15} - \frac{10}{15}$

$\frac{2}{15}$

c) $\frac{7}{4} \times \frac{5}{5} - \frac{4}{5} \times \frac{4}{4}$

$\frac{35}{20} - \frac{16}{20}$

$\frac{19}{20}$

d) $\frac{3}{5} - \frac{1}{2}$

$\frac{6}{10} - \frac{5}{10}$

$\frac{1}{10}$

3

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4a) $\frac{4}{6} - \frac{1}{2} \approx \frac{1}{6}$

$\frac{4}{6} - \frac{3}{6}$

$\frac{1}{6}$

b) $\frac{5}{3} - \frac{3}{4} \approx$ more than $\frac{1}{2}$ less than 1

$\frac{20}{12} - \frac{9}{12}$

$\frac{11}{12}$

c) $\frac{7 \times 6}{5 \times 6} - \frac{5 \times 5}{6 \times 5} \approx \frac{1}{2}$

$\frac{42}{30} - \frac{25}{30}$

$\frac{17}{30}$

d) $\frac{5}{6} - \frac{3}{4} \approx$ less than $\frac{1}{4}$

$\frac{1}{5}$

$\frac{10}{12} - \frac{9}{12}$

$\frac{1}{12}$

5. $\frac{3}{4} > \frac{2}{3}$

$\frac{3}{4} - \frac{2}{3}$

$\frac{9}{12} - \frac{8}{12}$

$\frac{1}{12}$

so more walnuts in the recipe, $\frac{1}{12}$ of a cup more

6. Terri

Sunday $\frac{5}{6} + \frac{7}{12}$

$\frac{50}{60} + \frac{35}{60} = \frac{85}{60}$

Bastien

Sun $\frac{1}{2} + \frac{3}{4}$

$\frac{30}{60} + \frac{45}{60} = \frac{75}{60}$

b) On Sunday Terri biked longer by 10 min

7. $1 - \frac{1}{4} = \frac{3}{4}$

$\frac{7}{8} - \frac{1}{8} = \frac{6}{8}$

$\frac{11}{12} - \frac{2}{12} = \frac{9}{12}$

$\frac{10}{12} - \frac{1}{12} = \frac{9}{12}$

$\frac{19}{20} - \frac{4}{20} = \frac{15}{20}$

$\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$

$= \frac{15}{20}$

$\frac{18}{20} \frac{3}{20} = \frac{15}{20}$

$\frac{17}{20} - \frac{2}{20} = \frac{15}{20}$

$\frac{16}{20} - \frac{1}{20} = \frac{15}{20}$

8. $\frac{\square}{\square} - \frac{\square}{\square} = \frac{1}{2}$

is between 0 and $\frac{1}{4}$

The first fraction has to be between

$0 + \frac{1}{2} = \frac{1}{2}$

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

between $\frac{1}{2}$ and $\frac{3}{4}$

9. $\frac{1}{2} - \frac{1}{3}$

$\frac{3}{6} - \frac{2}{6} = \frac{1}{6}$

$\frac{1}{6}$ th of the walk takes 3 min.

$\frac{2}{6}$ → 6 min

$\frac{3}{6}$ → 9 min

$\frac{4}{6}$ → 12 min

$\frac{5}{6}$ → 15 min

$\frac{6}{6}$ or 1 → 18 min

It takes Meagan 18 min to walk to school.

Class/Homework

Adding & Subtracting Fractions

(Model & Rules)

Test Part 1 April 5

29 Points in total

- 5 Multiple Choice
- 6 Short Response
- Write addition statement for numberline
- Word Problems
- Add or Subtract using common denominators (always reduce)

Homework

Extra Practice 4

Extra Practice 5

read $\frac{1}{10}$

watch $\frac{1}{15}$

grand $\frac{1}{3}$

Friend $\frac{2}{10}$

a) Grand to friend

$\frac{1}{3} \times \frac{10}{10}$ − $\frac{2}{10} \times \frac{3}{3}$

$\frac{10}{30}$ − $\frac{6}{30}$

$\frac{4}{30}$

$\frac{2}{15}$

Extra Practice 4.

1) a) $\frac{5}{6} - \frac{4}{6}$

$\frac{1}{6}$

b) $\frac{2}{5} - \frac{1}{5}$

$\frac{1}{5}$

c) $\frac{9}{10} - \frac{7}{10}$

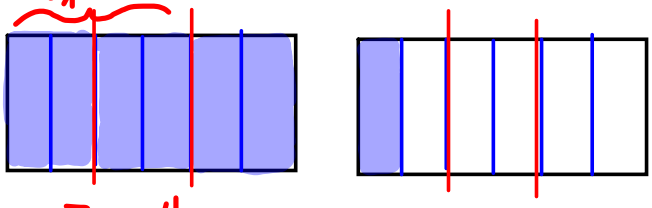
$\frac{2}{10} = \frac{1}{5}$

d) $\frac{7}{8} - \frac{5}{8}$

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

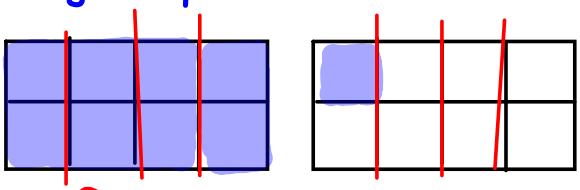
2 a) $\frac{7}{6} - \frac{2}{3}$

2 1



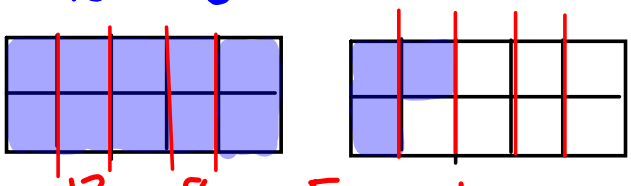
$\frac{7}{6} - \frac{4}{6} = \frac{3}{6}$

b) $\frac{9}{8} - \frac{3}{4}$



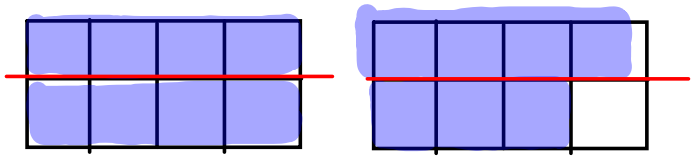
$\frac{9}{8} - \frac{6}{8} = \frac{3}{8}$

c) $\frac{13}{10} - \frac{4}{5}$



$\frac{13}{10} - \frac{8}{10} = \frac{5}{10}$ or $\frac{1}{2}$

d) $\frac{15}{8} - \frac{3}{2}$



$\frac{15}{8} - \frac{12}{8} = \frac{3}{8}$

3. a) $\frac{7}{8} - \frac{2}{3}$

$\frac{21}{24} - \frac{16}{24}$

$\frac{5}{24}$

b) $\frac{6}{5} - \frac{1}{3}$

$\frac{18}{15} - \frac{5}{15}$

$\frac{13}{15}$

c) $\frac{5}{4} - \frac{1}{3}$

$\frac{15}{12} - \frac{4}{12}$

$\frac{11}{12}$

d) $\frac{3}{5} - \frac{1}{4}$

$\frac{12}{20} - \frac{5}{20}$

$\frac{7}{20}$

Homework Practice 4 #4, 5
Practice 5 #1-6

Attachments

Extra Practice 4Using Models to Subtract Fractions.pdf

Extra Practice 5 Using Symbols to Subtract Fractions Common Denominator.pdf