



Grade 7 Warm Up



Test on adding and subtracting fractions Part 1 on _____

Model each of the following subtraction questions

a) $\frac{9}{10} - \frac{2}{5}$

$\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$

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

$\frac{8}{4} - \frac{3}{4} = \frac{5}{4} = 1\frac{1}{4}$

Mental Math Review

1) 80×25

half \downarrow double
 $40 \times 50 = 2000$

2) half of 24 = 12

3) 0.5×150

like half = 75

4) $21 \times 11 = 231$

$21 \times 10 = 210$
 $+ 21$
 $\hline 231$

5) $(-7) - (+8)$

add opp
 $(-7) + (-8) = -15$

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$$a) \frac{1}{2} \text{ and } \frac{5}{8}$$

$$\frac{1 \times 4}{2 \times 4} \quad \frac{5}{8}$$

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

$$b) \frac{1}{4} \text{ and } \frac{1}{3}$$

$$\frac{3}{12} \quad \frac{4}{12}$$

$$c) \frac{2}{3} \text{ and } \frac{1}{6}$$

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

$$d) \frac{3}{5} \text{ and } \frac{1}{2}$$

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

$$2) a) \frac{5}{6} - \frac{1}{2}$$

less than $\frac{1}{2}$

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

and $\frac{5}{6}$ less than 1

$$b) \frac{7}{8} - \frac{1}{8}$$

more than $\frac{1}{2}$

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

$$c) \frac{4}{6} - \frac{1}{3}$$

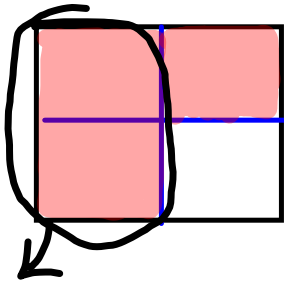
less than $\frac{1}{2}$

$$\frac{4}{6} - \frac{2}{6} = \frac{2}{6} < \frac{1}{2}$$

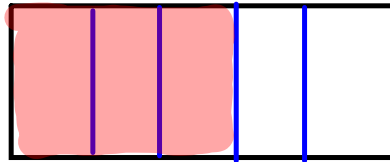
$$d) 1 - \frac{5}{6}$$

$$= \frac{1}{6} \text{ so less than } \frac{1}{2}$$

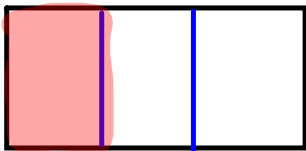
$$3. a) \frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$



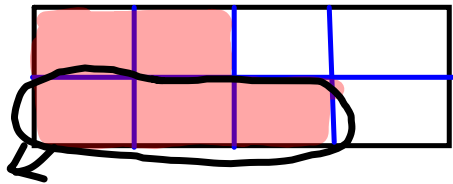
$$b) \frac{4}{5} - \frac{1}{5} = \frac{3}{5}$$



$$c) \frac{2}{3} - \frac{1}{3} = \frac{1}{3}$$



$$d) \frac{5}{8} - \frac{3}{8} = \frac{2}{8}$$



4. If you are subtracting fractions with like denominators, then subtract the numerators and the denominator will stay the same.

$$5. a) \frac{7}{9} - \frac{3}{9} = \frac{4}{9}$$

$$b) \frac{7}{8} - \frac{3}{4} = \frac{1}{8}$$

$$c) \frac{8}{10} - \frac{2}{5} = \frac{4}{10}$$

$$d) \frac{11}{12} - \frac{2}{3} = \frac{3}{12}$$

b) $\frac{3}{8} - \frac{1}{4}$
 $\frac{3}{8} - \frac{2}{8} = \frac{1}{8}$

b) $\frac{7}{10} - \frac{1}{2}$

$= \frac{2}{10}$

c) $\frac{7}{8} - \frac{1}{2}$

$\frac{3}{8}$

d) $\frac{5}{6} - \frac{1}{4}$
 $= \frac{14}{24} - \frac{6}{24} = \frac{8}{24}$

$\frac{20}{24} - \frac{6}{24}$

Test _____ on Adding & Subtracting Fractions

Class/Homework

No model use Common Denominators (C.D.)

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#7

Must show work but you can use the common denominator method instead of models

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^{ab}
#8, #9, #10, #11, #12

Do we need more or save for next day
Extra Practice 4 Worksheet

10) Hint
 $11 - \square = 9$
 $11 - 9 = 2$

given total
need
subtra

$$\square - 4 = 8$$

$$8 + 4 = 12$$

Add to get total

Attachments

Extra Practice 4Using Models to Subtract Fractions.pdf