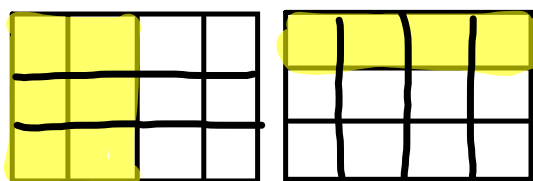




Grade 7 Warm Up  
Oct 21



Write an addition statement for the following area models



$$\frac{2}{4} + \frac{1}{3} = \frac{10}{12} = \frac{5}{6}$$

Subtracting Fractions

How to subtract fractions:  $\frac{3}{4} - \frac{1}{6}$

1) Find common denominators (lowest common multiple of the denominators)

4: 4, 8, **12**, 16  
6: 6, **12**

2) Multiply your denominators to make them the same.

$$\frac{3 \times 3}{4 \times 3} - \frac{1 \times 2}{6 \times 2}$$

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

3) Subtract your numerators, keep your denominator the same

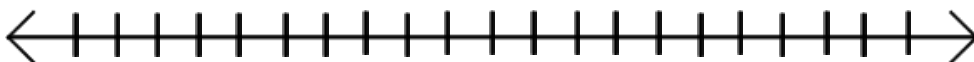
$$\frac{7}{12}$$

\*\*Simplify (reduce if you can

Number line Method

Use the common denominators to help

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



Let's try these together...

$$\frac{2}{9} - \frac{1}{6} =$$

$$\frac{2 \times 2}{9 \times 2} - \frac{1 \times 3}{6 \times 3} =$$

$$\frac{4}{18} - \frac{3}{18} = \frac{1}{18}$$

$$9: 9, 18, 27$$

$$6: 6, 12, 18$$

$$\frac{5}{7} - \frac{1}{3} =$$

$$\frac{5 \times 3}{7 \times 3} - \frac{1 \times 7}{3 \times 7} =$$

$$\frac{15}{21} - \frac{7}{21} =$$

$$\frac{8}{21}$$

$$7: 7, 14, 21$$

$$3: 3, 6, 9, 12, 15, 18, 21$$

Try these on your own...

$$\frac{5}{9} - \frac{1}{3}$$

$$9: \underline{9}, 18, 27$$

$$3: \underline{3}, 6, 9, 12$$

$$\frac{5}{9} - \frac{1 \times 3}{3 \times 3}$$

$$\frac{5}{9} - \frac{3}{9}$$

$$\frac{2}{9}$$

$$\frac{9}{16} - \frac{1}{4}$$

$$\frac{9}{16} - \frac{1 \times 4}{4 \times 4}$$

$$\frac{9}{16} - \frac{4}{16} = \frac{5}{16}$$

$$\frac{2}{3} - \frac{1}{8}$$

$$3: \underline{3}, 6, 9, 12, 15, 18, 21, \underline{24}$$

$$8: \underline{8}, 16, \underline{24}$$

$$\frac{2 \times 8}{3 \times 8} - \frac{1 \times 3}{8 \times 3}$$

$$\frac{16}{24} - \frac{3}{24}$$

$$\frac{13}{24}$$

$$16: \underline{16}, 32$$

$$4: \underline{4}, 8, 12, \underline{16}$$

# Homework





## Attachments

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[fractions\\_subtraction\\_unlike-fractions\\_proper-horizontal-easy-3.pdf](#)