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How to Subtract Fractions with Different Denominators

Example #1

$$\frac{4}{5}, \frac{2}{3}$$

$$\frac{34}{5} - \frac{2^{15}}{2^{15}} = \frac{12}{15} - \frac{10}{15}$$

$$=\frac{12-10}{15} = \frac{2}{15}$$

Example #2

$$\frac{3}{7} \frac{2}{9}$$

$$\frac{9\times3}{7} - \frac{2^{\times7}}{9^{\times7}} = \frac{27}{63} - \frac{14}{63}$$

$$\frac{}{=}\frac{27-14}{63}=\frac{13}{63}$$

Example #3

$$\frac{7}{8} - \frac{4}{24}$$

$$\frac{7}{248} - \frac{4^{8}}{24^{8}} = \frac{168}{192} - \frac{32}{192}$$

$$=\frac{168-32}{192}=\frac{136}{192}=\frac{17}{24}$$

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