mathskills4kids

Name: ..... Class: .....

Add and subtract fractions with the same denominator

Add or subtract the following fractions. (follow the example)

a. Add and symplify your answer as much as possible.

$$\frac{3}{4} + \frac{2}{4} = \frac{3+2}{4} = \frac{5}{4}$$

$$4 \overline{)\,5} \quad 1 \quad -4 \quad 1$$

Therefore, $\frac{3}{4} + \frac{2}{4} = 1\frac{1}{4}$

b. Subtract.

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

c. Add and symplify your answer as much as possible.

$$\frac{7}{10} + \frac{9}{10} =$$

d. Subtract.

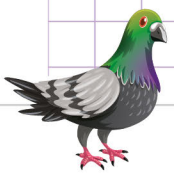
$$\frac{13}{7} - \frac{9}{7} =$$

e. Subtract and symplify your answer as much as possible.

$$\frac{17}{5} - \frac{4}{5} =$$

f. Add.

$$\frac{8}{15} + \frac{2}{15} + \frac{3}{15} =$$



Solution

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Add and subtract fractions with the same denominator

Add or subtract the following fractions.

a. Add and symplify your answer as much as possible.

$$\frac{3}{4} + \frac{2}{4} = \frac{3+2}{4} = \frac{5}{4}$$

$$4 \overline{)\,5} \quad 1 \quad -4 \quad 1$$

Therefore, $\frac{3}{4} + \frac{2}{4} = 1\frac{1}{4}$

b. Subtract.

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

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

c. Add and symplify your answer as much as possible.

$$\frac{7}{10} + \frac{9}{10} = \frac{7+9}{10} = \frac{\cancel{16}}{\cancel{10}} = \frac{8}{5}$$

$$5 \overline{)\,8} \quad 1 \quad -5 \quad 3$$

Therefore, $\frac{7}{10} + \frac{9}{10} = 1\frac{3}{5}$

d. Subtract.

$$\frac{13}{7} - \frac{9}{7} = \frac{13-9}{7} = \frac{4}{7}$$

Therefore, $\frac{13}{7} + \frac{9}{7} = \frac{4}{7}$

e. Subtract and symplify your answer as much as possible.

$$\frac{17}{5} - \frac{4}{5} = \frac{17-4}{5} = \frac{13}{5}$$

$$5 \overline{)\,13} \quad 2 \quad -10 \quad 3$$

Therefore, $\frac{17}{5} - \frac{4}{5} = 2\frac{3}{5}$

f. Add.

$$\frac{8}{15} + \frac{2}{15} + \frac{3}{15} = \frac{8+2+3}{15} = \frac{13}{15}$$

Therefore, $\frac{8}{15} + \frac{2}{15} + \frac{3}{15} = \frac{13}{15}$