

4.NF.B.3 Add or Subtract Fractions (Same Denominators) – I

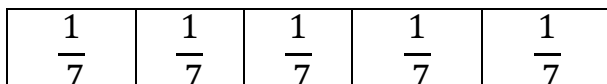
Answer Key

4.NF.B.3: Understand a fraction a/b with $a > 1$ as a sum of fractions $1/b$.

Give what is asked in each item and then write your answers on the space provided.

1. Answer the questions.

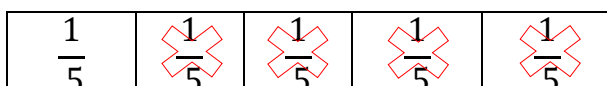
a. Use the following model to add $\frac{3}{7}$ and $\frac{2}{7}$.



Answer:

$$\frac{5}{7}$$

b. Use the following model to subtract $\frac{4}{5}$ from 1. (Tip $1 = \frac{5}{5}$).



Answer: $\frac{1}{5}$

2. Do the operation below. Write the result in the simplest form.

a. $\frac{4}{9} + \frac{13}{9}$ b. $\frac{14}{7} - \frac{3}{7}$ c. $\frac{23}{8} + \frac{3}{8}$

d. $\frac{15}{6} - \frac{7}{6}$ e. $\frac{57}{10} + \frac{9}{10}$ d. $\frac{44}{13} - \frac{23}{13}$

Answers:

a. $1 \frac{8}{9}$

b. $1 \frac{4}{7}$

c. $3 \frac{1}{4}$

d. $1 \frac{1}{3}$

e. $6 \frac{3}{5}$

f. $1 \frac{8}{13}$

3. Marco spends $\frac{17}{6}$ days fixing the fence and spends another $\frac{5}{6}$ days mowing the grass. How many days did he spend to finish the two jobs? Show your solution.

Answer:

$$\frac{17}{6} + \frac{5}{6} = \frac{22}{6} = 3 \frac{4}{6} = 3 \frac{2}{3} \text{ days}$$

4. Which of the following statements is true? c.

a. $\frac{13}{9} - \frac{5}{9} > \frac{8}{9}$ b. $\frac{25}{17} - \frac{3}{17} < 1 \frac{5}{17}$ c. $\frac{49}{19} - \frac{11}{19} = 2$

5. Bea does $\frac{3}{5}$ of her work on the first day and $\frac{1}{5}$ of it on the second day.

a. What part of the work is already done after these two days? Show your solution.

b. What part is still to be done? Show your solution.

Answer:

a. $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$ of the work

b. $1 - \left(\frac{3}{5} + \frac{1}{5}\right) = 1 - \frac{4}{5} = \frac{5}{5} - \frac{4}{5} = \frac{1}{5}$ of the work