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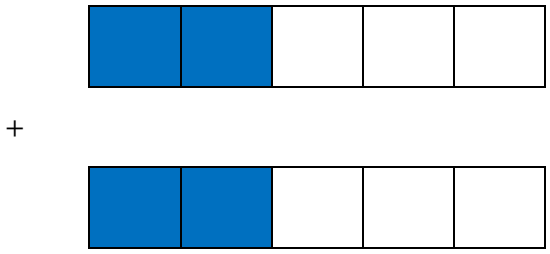
4.NF.B.3 Addition of Fractions (Same Denominators) - II

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.

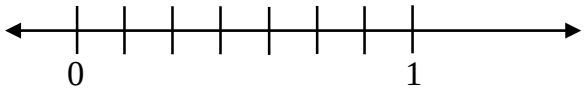
1. Answer the questions.

a. Use the following model to add $\frac{2}{5}$ and $\frac{2}{5}$.



Answer:

b. Use the following model to add $\frac{1}{7}$ and $\frac{4}{7}$.



Answer:

2. Use a model or a number line to answer the questions below. Convert the result into a proper fraction or mixed number.

a. $\frac{2}{9} + \frac{4}{9}$ b. $\frac{4}{11} + \frac{2}{11}$ c. $\frac{3}{6} + \frac{2}{6}$

d. $\frac{2}{4} + \frac{1}{4}$ e. $\frac{4}{10} + \frac{2}{10}$ f. $\frac{3}{7} + \frac{2}{7}$

Answers:

a. b. c.

d. e. f.

3. A gas tank has an initial $\frac{2}{9}$ gas content. Another container of gas was poured and filled another $\frac{3}{9}$ of the gas tank. What portion of the gas tank was filled now? Show your solution.

Answer:

4. Mother slices a pizza pie. She gave $\frac{5}{11}$ of the pie to my sister and $\frac{3}{11}$ to me. How much of the pizza pie is already consumed? How much was left? Show your solution.

Answer:

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4.NF.B.3 Addition of Fractions (Same Denominators) - II

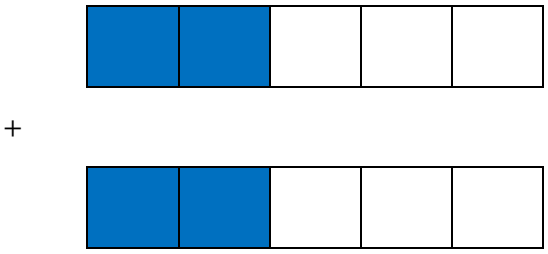
Answer Key

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.

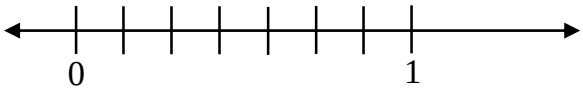
1. Answer the questions.

a. Use the following model to add $\frac{2}{5}$ and $\frac{2}{5}$.



Answer: $\frac{4}{5}$

b. Use the following model to add $\frac{1}{7}$ and $\frac{4}{7}$.



Answer: $\frac{5}{7}$

2. Use a model or a number line to answer the questions below. Convert the result into a proper fraction or mixed number.

a. $\frac{2}{9} + \frac{4}{9}$ b. $\frac{4}{11} + \frac{2}{11}$ c. $\frac{3}{6} + \frac{2}{6}$

d. $\frac{2}{4} + \frac{1}{4}$ e. $\frac{4}{10} + \frac{2}{10}$ f. $\frac{3}{7} + \frac{2}{7}$

Answers:

a. $\frac{2}{3}$ b. $\frac{6}{11}$ c. $\frac{5}{6}$

d. $\frac{3}{4}$ e. $\frac{3}{5}$ f. $\frac{5}{7}$

3. A gas tank has an initial $\frac{2}{9}$ gas content. Another container of gas was poured and filled another $\frac{3}{9}$ of the gas tank. What portion of the gas tank was filled now? Show your solution.

Answer:

$\frac{2}{9} + \frac{3}{9} = \frac{5}{9}$ of the gas tank

4. Mother slices a pizza pie. She gave $\frac{5}{11}$ of the pie to my sister and $\frac{3}{11}$ to me. How much of the pizza pie is already consumed? How much was left? Show your solution.

Answer:

$\frac{5}{11} + \frac{3}{11} = \frac{8}{11}$ of the pizza were already consumed

$1 - \left(\frac{5}{11} + \frac{3}{11}\right) = 1 - \frac{8}{11} = \frac{11}{11} - \frac{8}{11} = \frac{3}{11}$ of the pizza were left