How to Subtract Fractions?

FREE Worksheet - 3

Time: 20 minutes

(Detailed solutions at the end)

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1. $\frac{3}{4} - \frac{5}{8} =$

Answer: _____

2. $\frac{1}{3} - \frac{1}{6} =$

Answer: _____

3. Mrs. Chan had a tape. She cut $\frac{1}{2}$ of the tape for Evelyn and $\frac{1}{5}$ of the tape for Fatima.

What fraction of the tape was left with her?

Write your answer in the simplest form.

Answer: _____

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4. Cesar and Celeste bought a pie. Cesar ate $\frac{1}{2}$ of the pie and Celeste ate $\frac{5}{12}$ of the pie. What fraction of the pie was left.

   Write your answer in the simplest form.

   Answer: _____

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

   Answer: _____

6. $1 - \frac{1}{8} - \frac{1}{2} =$

   Answer: _____

7. Amy had a watermelon. She used $\frac{1}{3}$ of it for a shake and $\frac{1}{9}$ of it for an ice cream.

   What fraction of the watermelon was left?

   Write your answer in the simplest form.

   Answer: _____

8. Mr. Mehta had a box of chocolates. He gave $\frac{1}{3}$ of the box of chocolates to Abe and $\frac{1}{4}$ of it to Colt. What fraction of the box of chocolates was left with Mr. Mehta?

   Write your answer in the simplest form.

   Answer: _____

SOLUTIONS

Problem 1

To subtract fractions, we must first express the fractions with the same denominator.

Fraction 1: $\frac{3}{4} = \frac{6}{8}$

Fraction 2: $\frac{5}{8}$

Next, do the subtraction:

$$\frac{6}{8} - \frac{5}{8} = \frac{1}{8}$$

So, $\frac{3}{4} - \frac{5}{8} = \frac{1}{8}$

Problem 2

To subtract fractions, we must first express the fractions with the same denominator.

Fraction 1: $\frac{1}{3} = \frac{2}{6}$

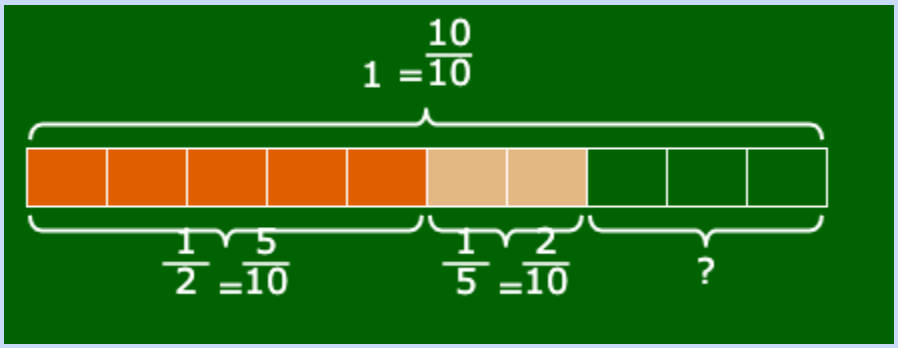
Fraction 2: $\frac{1}{6}$

Next, do the subtraction:

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

So, $\frac{1}{3} - \frac{1}{6} = \frac{1}{6}$

Problem 3



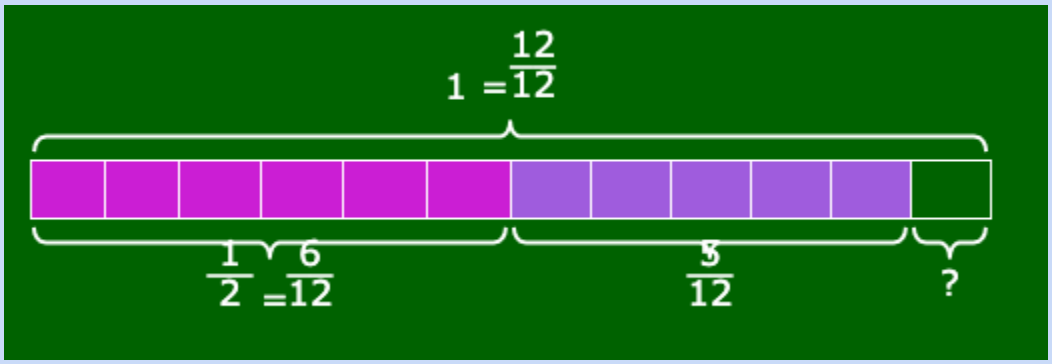
$$1 - \frac{1}{2} - \frac{1}{5}$$

$$= \frac{10}{10} - \frac{5}{10} - \frac{2}{10}$$

$$= \frac{3}{10}$$

$\frac{1}{3}$ of the tape was left with her.

Problem 4



$$1 - \frac{1}{2} - \frac{5}{12}$$

$$= \frac{12}{12} - \frac{6}{12} - \frac{5}{12}$$

$$= \frac{1}{12}$$

$\frac{1}{12}$ of the pie was left.

Problem 5

To subtract fractions, we must first express the fractions with the same denominator.

Fraction 1: $\frac{1}{3} = \frac{3}{9}$

Fraction 2: $\frac{1}{9}$

Fraction 3: $\frac{1}{9}$

Next, do the subtraction:

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

So, $\frac{1}{3} - \frac{1}{9} - \frac{1}{9} = \frac{1}{9}$

Problem 6

To subtract fractions, we must first express the fractions with the same denominator.

Fraction 1: $1 = \frac{8}{8}$

Fraction 2: $\frac{1}{8}$

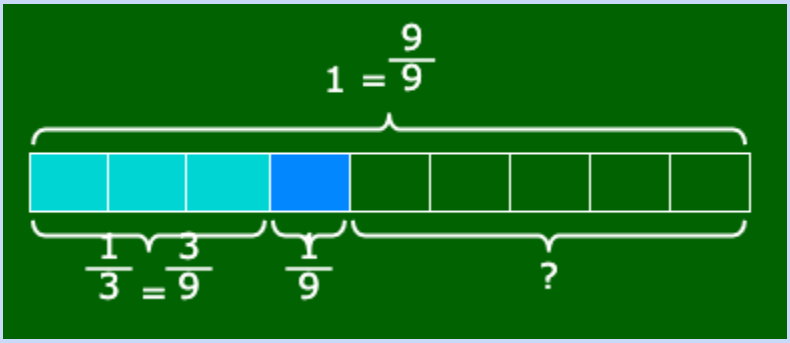
Fraction 3: $\frac{1}{2} = \frac{4}{8}$

Next, do the subtraction:

$$\frac{8}{8} - \frac{1}{8} - \frac{4}{8} = \frac{3}{8}$$

So, $1 - \frac{1}{8} - \frac{1}{2} = \frac{3}{8}$

Problem 7



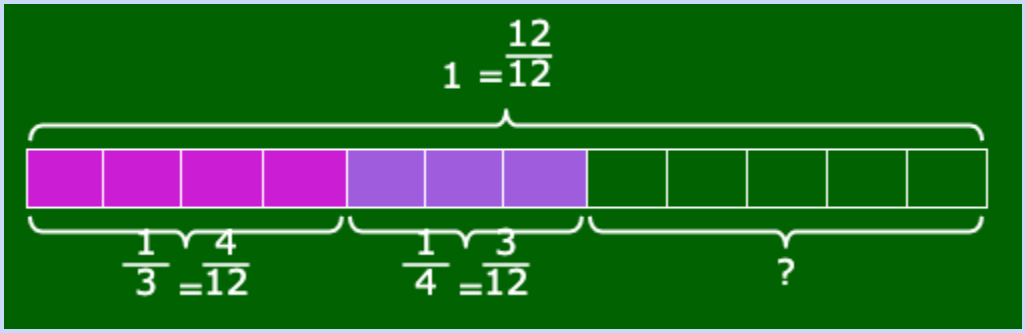
$1 - \frac{1}{3} - \frac{1}{9}$

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

$= \frac{5}{9}$

$\frac{1}{12}$ of the watermelon was left.

Problem 8



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

$$= \frac{12}{12} - \frac{4}{12} - \frac{3}{12}$$

$$= \frac{5}{12}$$

$\frac{5}{12}$ of the box of chocolates was left with Mr. Mehta.