How to Subtract Fractions?

FREE Worksheet - 4

Time: 20 minutes

(Detailed solutions at the end)

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1. Markus and Hazel bought a chocolate bar. Markus ate $\frac{1}{2}$ of the chocolate bar and Hazel ate $\frac{5}{12}$ of the chocolate bar. What fraction of the chocolate bar was left.

   Write your answer in the simplest form.

   Answer: _____

2. Subtract $\frac{1}{12}$ from $\frac{1}{2}$

   Answer: _____

3. Find $\frac{1}{2} - \frac{1}{8} - \frac{1}{8}$

   Answer: _____

4. Mr. Gonzales had a bag of marbles. He gave $\frac{2}{5}$ of the bag of marbles to Harry and $\frac{3}{10}$ of it to Abhi. What fraction of the bag of marbles was left with Mr. Gonzales?

   Write your answer in the simplest form.

   Answer: _____

5. Mrs. Russell had a stick. She cut $\frac{1}{2}$ of the stick for Veronica and $\frac{1}{6}$ of the stick for Zoey.

   What fraction of the stick was left with her?

   Write your answer in the simplest form.

   Answer: _____

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

   Answer: _____

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

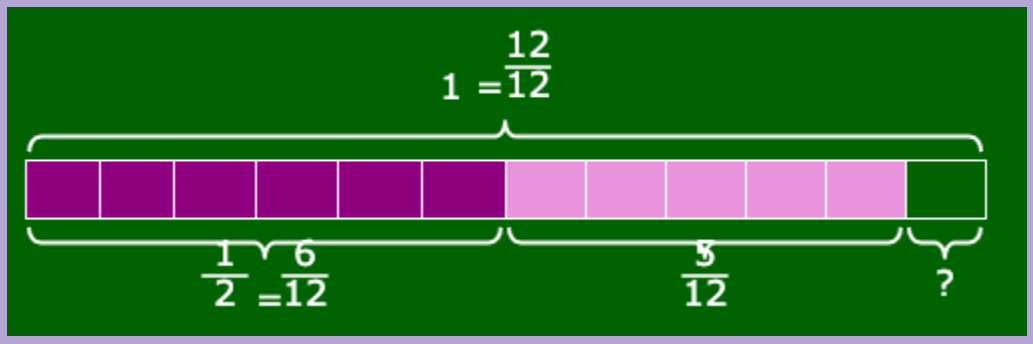
Answer: _____

8. $1 - \frac{1}{6} - \frac{5}{12} =$

Answer: _____

SOLUTIONS

Problem 1



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

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

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

$\frac{1}{3}$ of the chocolate bar was left.

Problem 2

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

Fraction 1: $\frac{1}{2} = \frac{6}{12}$

Fraction 2: $\frac{1}{12}$

Next, do the subtraction:

$$\frac{6}{12} - \frac{1}{12} = \frac{5}{12}$$

So, $\frac{1}{2} - \frac{1}{12} = \frac{5}{12}$

Problem 3

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

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

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

Fraction 3: $\frac{1}{8}$

Next, do the subtraction:

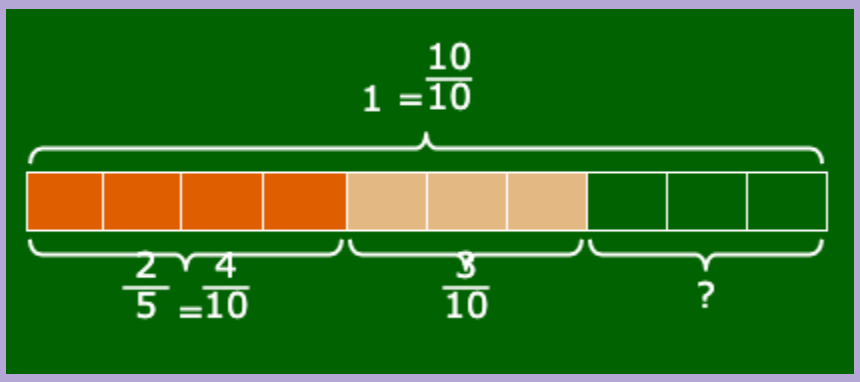
$$\frac{4}{8} - \frac{1}{8} - \frac{1}{8} = \frac{2}{8}$$

Finally, we simplify the fraction:

$$\frac{2 \div 2}{8 \div 2} = \frac{1}{4}$$

So, $\frac{1}{2} - \frac{1}{8} - \frac{1}{8} = \frac{1}{4}$

Problem 4



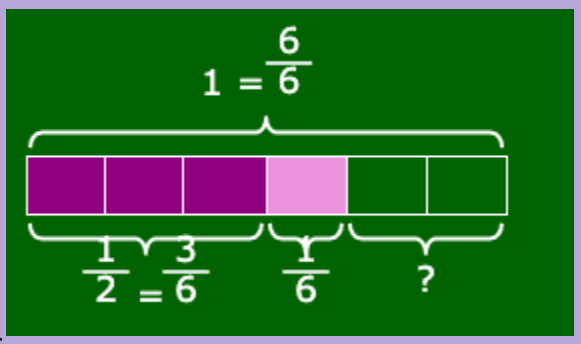
$$1 - \frac{2}{5} - \frac{3}{10}$$

$$= \frac{10}{10} - \frac{4}{10} - \frac{3}{10}$$

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

$\frac{3}{10}$ of the bag of marbles was left with Mr. Gonzalez.

Problem 5



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

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

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

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

Problem 6

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 7

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

Fraction 1: $\frac{5}{6} = \frac{10}{12}$

Fraction 2: $\frac{5}{12}$

Next, do the subtraction:

$$\frac{10}{10} - \frac{5}{12} = \frac{5}{12}$$

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

Problem 8

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

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

Fraction 2: $\frac{1}{6} = \frac{2}{12}$

Fraction 3: $\frac{5}{12}$

Next, do the subtraction:

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

So, $1 - \frac{1}{6} - \frac{5}{12} = \frac{5}{12}$