How to Subtract Fractions?

FREE Worksheet - 1

Time: 20 minutes

(Detailed solutions at the end)

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1. Megan had a watermelon. She used $\frac{1}{2}$ of it for a shake and $\frac{1}{12}$ of it for an ice cream.

   What fraction of the watermelon was left?

   Write your answer in the simplest form.

   Answer: _____

2. Shane and Karen bought a pizza. Shane ate $\frac{1}{3}$ of the pizza and Karen ate $\frac{5}{9}$ of the pizza.

   What fraction of the pizza was left?

   Write your answer in the simplest form.

   Answer: _____

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

Answer: _____

4. Find $\frac{1}{2} - \frac{1}{12} - \frac{1}{12}$

Answer: _____

5. $\frac{2}{3} - \frac{2}{9} =$

Answer: _____

6. Mr. Phillips had a bag of chips. He gave $\frac{1}{3}$ of the bag of chips to Celina and $\frac{1}{4}$ of it to Darius. What fraction of the bag of chips was left with Mr. Phillips?

   Write your answer in the simplest form.

   Answer: _____

7. Mrs. Mehra had a lace. She cut $\frac{1}{2}$ of the lace for Dalia and $\frac{1}{3}$ of the lace for Bridget.

   What fraction of the lace was left with her?

   Write your answer in the simplest form.

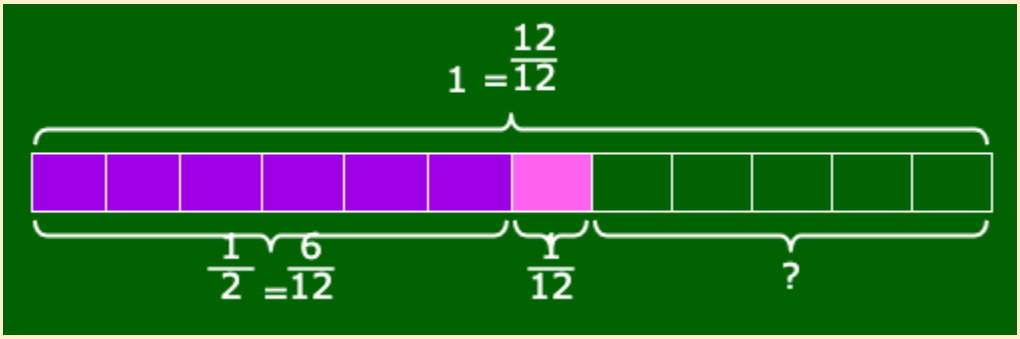
   Answer: _____

8. Subtract $\frac{1}{4}$ from $\frac{1}{2}$.

   Answer: _____

SOLUTIONS

Problem 1



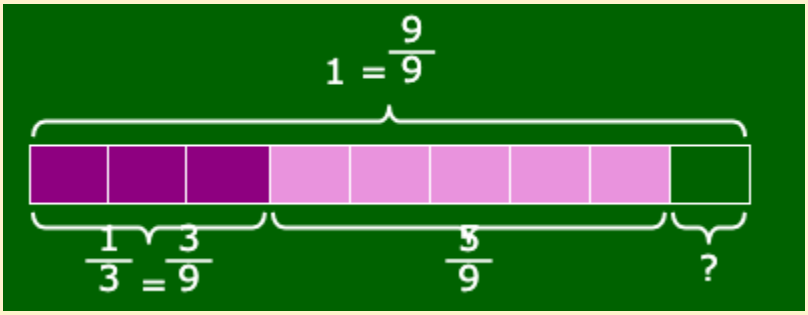
$1 - \frac{1}{2} - \frac{1}{12}$

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

$= \frac{5}{12}$

$\frac{5}{12}$ of the watermelon was left.

Problem 2



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

$= \frac{9}{9} - \frac{3}{9} - \frac{5}{9}$

$= \frac{1}{9}$

$\frac{1}{9}$ of the pizza was left.

Problem 3

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

Fraction 1: $1 = \frac{10}{10}$

Fraction 2: $\frac{2}{5} = \frac{4}{10}$

Fraction 3: $\frac{1}{2} = \frac{5}{10}$

Next, do the subtraction:

$$\frac{10}{10} - \frac{4}{10} - \frac{5}{10} = \frac{1}{10}$$

So, $1 - \frac{2}{5} - \frac{1}{2} = \frac{1}{10}$

Problem 4

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

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

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

Fraction 3: $\frac{1}{12}$

Next, do the subtraction:

$$\frac{6}{12} - \frac{1}{12} - \frac{1}{12} = \frac{4}{12}$$

Finally, we simplify the fraction:

$$\frac{4 \div 4}{12 \div 4} = \frac{1}{3}$$

So, $\frac{1}{2} - \frac{1}{12} - \frac{1}{12} = \frac{1}{3}$

Problem 5

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

Fraction 1: $\frac{2}{3} = \frac{6}{9}$

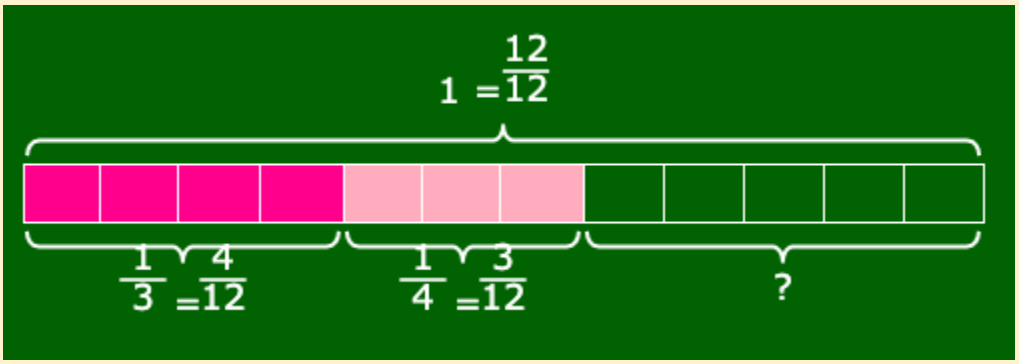
Fraction 2: $\frac{2}{9}$

Next, do the subtraction:

$$\frac{6}{9} - \frac{2}{9} = \frac{4}{9}$$

So, $\frac{2}{3} - \frac{2}{9} = \frac{4}{9}$

Problem 6



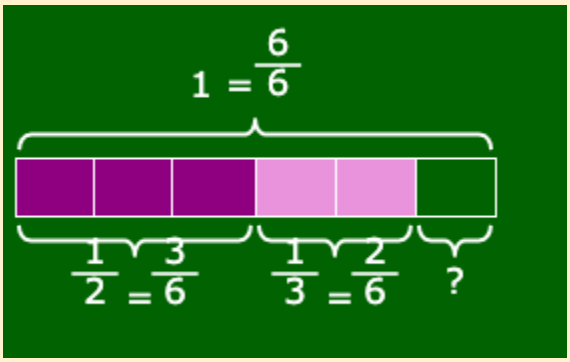
$1 - \frac{1}{3} - \frac{1}{4}$

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

$= \frac{5}{12}$

$\frac{5}{12}$ of the bag of chips was left with Mr. Phillips.

Problem 7



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

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

$= \frac{1}{6}$

$\frac{1}{6}$ of the lace was left with her.

Problem 8

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

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

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

Next, do the subtraction:

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

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