How to Subtract Fractions?

FREE Worksheet - 5

Time: 20 minutes

(Detailed solutions at the end)

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1. Cara had a melon. She used $\frac{1}{3}$ of it for a shake and $\frac{2}{6}$ of it for an ice cream. What fraction of the melon was left?

   Write your answer in the simplest form.

   Answer: _____

2. Subtract $\frac{5}{12}$ from $\frac{5}{6}$

   Answer: _____

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

   Answer: _____

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

Answer: _____

5. Leo and Joy bought a cake. Leo ate $\frac{1}{3}$ of the cake and Joy ate $\frac{2}{9}$ of it. What fraction of the cake was left?

   Write your answer in the simplest form.

Answer: _____

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

Answer: _____

7. The difference between $\frac{1}{2}$ and $\frac{3}{10}$ is _____.

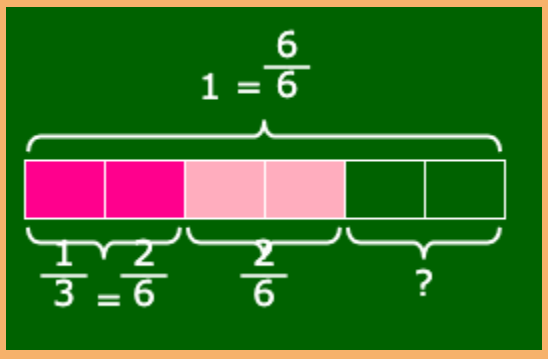
Write your answer in its simplest form.

8. $\frac{1}{4}$ - $\frac{1}{12}$ =

Answer: _____

SOLUTIONS

Problem 1



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

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

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

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

Problem 2

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:

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

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

Problem 3

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

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

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

Next, do the subtraction:

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

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

Problem 4

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

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

Fraction 2: $\frac{3}{8} = \frac{2}{12}$

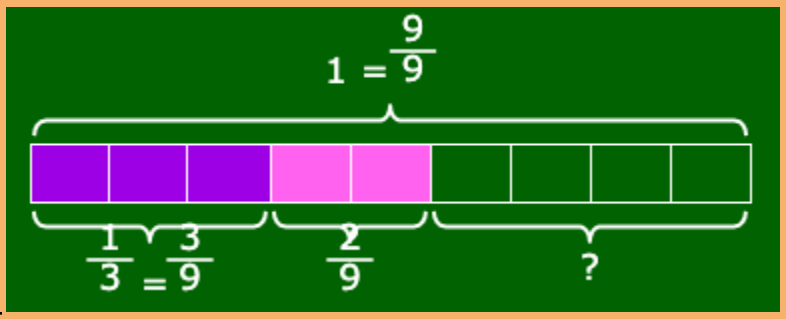
Fraction 3: $\frac{1}{4} = \frac{2}{8}$

Next, do the subtraction:

$$\frac{8}{8} - \frac{3}{8} - \frac{2}{8} = \frac{3}{8}$$

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

Problem 5



$1 - \frac{1}{3} - \frac{2}{9}$

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

$= \frac{4}{9}$

$\frac{4}{9}$ of the cake was left.

Problem 6

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 7

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

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

Fraction 2: $\frac{3}{10}$

Next, do the subtraction:

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

Finally, we simplify the fraction:

$$\frac{2 \div 2}{10 \div 2} = \frac{1}{5}$$

So, $\frac{1}{2} - \frac{3}{10} = \frac{1}{5}$

Problem 8

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

Fraction 1: $\frac{1}{4} = \frac{3}{12}$

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

Next, do the subtraction:

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

Finally, we simplify the fraction:

$$\frac{2 \div 2}{12 \div 2} = \frac{1}{6}$$

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