How to Subtract Fractions?

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

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1. Mr. Gupta had a bag of cookies. He gave $\frac{1}{4}$ of the bag of cookies to Joey and $\frac{1}{8}$ of it to Will. What fraction of the bag of cookies was left with Mr. Gupta?

   Write your answer in the simplest form.

   Answer: _____

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

   Answer: _____

3. Sabrina had a melon. She used $\frac{1}{3}$ of it for a shake and $\frac{4}{12}$ of it for an ice cream.

   What fraction of the melon was left?

   Write your answer in the simplest form.

   Answer: _____

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4. Mrs. Ali had a cloth. She cut $\frac{1}{3}$ of the cloth for Christina and $\frac{1}{9}$ of the lace for Daphne.

   What fraction of the cloth was left with her?

   Write your answer in the simplest form.

   Answer: _____

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

   Answer: _____

6. Subtract $\frac{1}{10}$ from $\frac{1}{2}$

   Answer: _____

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

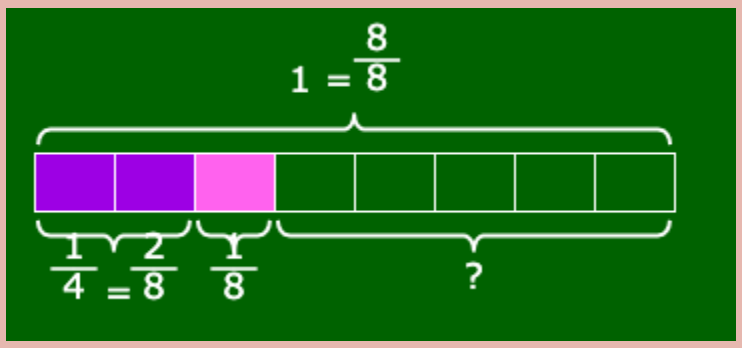
Answer: _____

8. The difference between $\frac{1}{3}$ and $\frac{3}{12}$ is _____.

Write your answer in its simplest form.

SOLUTIONS

Problem 1



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

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

$$= \frac{5}{8}$$

$\frac{5}{8}$ of the bag of cookies was left with Mr. Gupta.

Problem 2

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

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

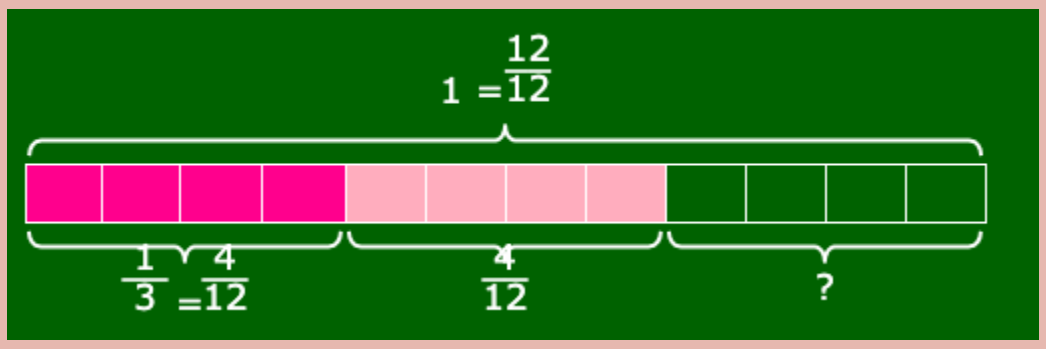
Fraction 2: $\frac{5}{12}$

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



$$1 - \frac{1}{3} - \frac{4}{12}$$

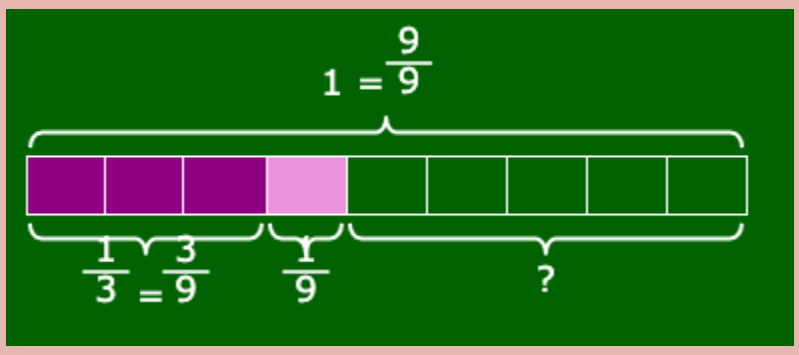
$$= \frac{12}{12} - \frac{4}{12} - \frac{4}{12}$$

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

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

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

Problem 4



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

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

$= \frac{5}{9}$

$\frac{5}{9}$ of the cloth was left with her.

Problem 5

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

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

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

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

Next, do the subtraction:

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

So, $1 - \frac{1}{2} - \frac{1}{3} = \frac{1}{6}$

Problem 6

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

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

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

Next, do the subtraction:

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

Finally, we simplify the fraction:

$$\frac{4 \div 2}{10 \div 2} = \frac{2}{5}$$

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

Problem 7

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

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

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

Next, do the subtraction:

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

So, $\frac{1}{3} - \frac{1}{9} = \frac{2}{9}$

Problem 8

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

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

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

Next, do the subtraction:

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

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