

MY Homework

Lesson 3

Subtract Like Fractions

Homework Helper



Need help? connectED.mcgraw-hill.com

Carla volunteers at a veterinarian's office. Of her time spent there, $\frac{6}{10}$ is spent grooming dogs and $\frac{1}{10}$ is spent answering phone calls. How much more of her time is spent grooming dogs than answering phone calls? Write the difference in simplest form.

Find $\frac{6}{10} - \frac{1}{10}$.

$$\frac{6}{10} - \frac{1}{10} = \frac{6-1}{10}$$

Subtract the numerators. Keep the denominator the same.

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

$$6 - 1 = 5$$

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

Write in simplest form.

So, $\frac{6}{10} - \frac{1}{10} = \frac{1}{2}$.

Carla spends $\frac{1}{2}$ more of her time grooming dogs than answering phone calls.

Check The models show that $\frac{6}{10} - \frac{1}{10} = \frac{5}{10}$ or $\frac{1}{2}$.



Practice

Subtract. Write each difference in simplest form.

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

2. $\frac{7}{9} - \frac{3}{9} =$ _____

3. $\frac{7}{8} - \frac{2}{8} =$ _____




Problem Solving

The table shows the results of a survey of 28 students and their favorite tourist attractions. Use the table to answer Exercises 4 and 5.

Place	Fraction of Students
Mt. Rushmore	$\frac{14}{28}$
Grand Canyon	$\frac{8}{28}$
Statue of Liberty	$\frac{6}{28}$

4. What fraction of students prefer Mt. Rushmore over the Grand Canyon? Write in simplest form.

5. Suppose four students change their minds and choose the Statue of Liberty instead of the Grand Canyon. What part of the class now prefers Mt. Rushmore over the State of Liberty? Write in simplest form.

6. **Mathematical PRACTICE**  **Make Sense of Problems** On a class trip to the museum, $\frac{5}{8}$ of the students saw the dinosaurs and $\frac{2}{8}$ of the students saw the jewelry collection. What fraction more of students saw the dinosaurs than the jewelry collection? Write in simplest form.

7. The Indian Ocean is $\frac{2}{10}$ of the area of the world's oceans. What fraction represents the area of the remaining oceans that make up the world's oceans? Write in simplest form.

Test Practice

8. The pictures to the right show how much sausage and pepperoni pizza was left at the end of one day. Which fraction represents how much more sausage pizza than pepperoni pizza was left?

Sausage



Pepperoni



- (A) $\frac{7}{8}$ (C) $\frac{3}{8}$
(B) $\frac{4}{8}$ (D) $\frac{11}{8}$