



Simplifying Fractions

FREE Worksheet - 2

Time: 15 minutes

(Detailed solutions at the end)

1. Is $\frac{6}{12}$ the simplest fraction of $\frac{3}{6}$?

Answer: _____

2. Write the simplest equivalent fraction of $\frac{2}{8}$.

Answer: _____

3. Find the missing number:

$$\frac{4}{6} = \frac{2}{?}$$

Answer: _____



4. Find the missing number:

$$\frac{10}{15} = \frac{?}{3}$$

Answer: _____

5. Write $\frac{4}{10}$ in its simplest form.

Answer: _____

6. The simplest equivalent fraction of $\frac{4}{8}$ is:

Answer: _____

7. The simplest form of $\frac{3}{15}$ is:



Answer: _____



SOLUTIONS

Problem 1

We use division to find a fraction in its simplest form.

$$\frac{6 \div 2}{12 \div 2} = \frac{3 \div 3}{6 \div 3} = \frac{1}{2}$$

The simplest equivalent fraction of $\frac{6}{12}$ and $\frac{3}{6}$ is $\frac{1}{2}$.

Problem 2

We use division to find a fraction in its simplest form.

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

The simplest equivalent fraction of $\frac{2}{8}$ is $\frac{1}{4}$.



Problem 3

We divide the numerator by 2 to get 2.

So, we must also divide the denominator by 2 to get an equivalent fraction.

$$\frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

So, the missing number is 3.

Problem 4

The denominator is divided by 5 to simplify it.

So, we must also divide the numerator by 5 to get a simplified equivalent fraction.

$$\frac{10 \div 5}{15 \div 5} = \frac{2}{3}$$

So, the missing numerator is 2.

Problem 5

Both the numerator and the denominator can be divided by 2 to get the simplest form of the given fraction.



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

Problem 6

Both the numerator and the denominator can be divided by 2 to get the simplest form of the given fraction.

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

Problem 7

We use division to find a fraction in its simplest form.

$$\frac{8 \div 2}{12 \div 2} = \frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

The simplest equivalent fraction of $\frac{8}{12}$ is $\frac{2}{3}$.