Fractions in Simplest Form

Write $\frac{20}{24}$ in simplest form. Divide by common factors.

- Divide by common factors until the only common factor is 1.

- You can start by dividing by 2, since both numbers are even.

$$\frac{20 \div 2}{24 \div 2} = \frac{10}{12}$$

But both 10 and 12 are also even, so they can be divided by 2.

$$\frac{10 \div 2}{12 \div 2} = \frac{5}{6}$$

- Since 5 and 6 do not have any common factors, $\frac{5}{6}$ is the simplest form.

$\frac{20}{24}$ written in simplest form is $\frac{5}{6}$.

Write each fraction in simplest form.

1. $\frac{16}{20}$ _____

2. $\frac{8}{16}$ _____

3. $\frac{5}{10}$ _____

4. $\frac{8}{32}$ _____

5. $\frac{18}{42}$ _____

6. $\frac{15}{100}$ _____

7. $\frac{18}{21}$ _____

8. $\frac{24}{40}$ _____

9. $\frac{55}{70}$ _____

10. Explain how you can tell that $\frac{31}{33}$ is in simplest form.

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Name _____

Fractions in Simplest Form

Write each fraction in simplest form.

1. $\frac{5}{10}$ _____

2. $\frac{6}{24}$ _____

3. $\frac{9}{27}$ _____

4. $\frac{3}{15}$ _____

5. $\frac{10}{12}$ _____

6. $\frac{9}{15}$ _____

7. $\frac{2}{18}$ _____

8. $\frac{25}{60}$ _____

9. $\frac{12}{72}$ _____

10. Explain how you can tell $\frac{4}{5}$ is in simplest form.

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_____

Write in simplest form.

11. What fraction of the problems on the math test will be word problems?

Math Test
➡ 20 Multiple-choice problems
➡ 10 Fill in the blanks
➡ 5 Word problems

_____

12. What fraction of the problems on the math test will be multiple-choice problems? _____

13. Which is the simplest form of $\frac{10}{82}$?

A $\frac{1}{8}$ **B** $\frac{1}{22}$ **C** $\frac{10}{82}$ **D** $\frac{5}{41}$

14. Explain how you can find the simplest form of $\frac{100}{1,000}$.

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