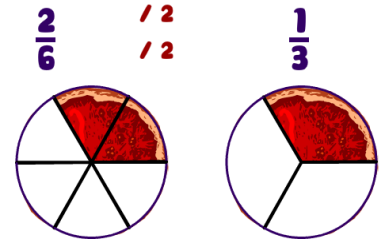


Simplify Fraction Worksheet

(Regular Difficulty)



Objective Students will reinforce their understanding how to simplify a fraction using visual aides and an [online interactive powerpoint](#).

Answers to Worksheet along with visual aides are included at the end.

Images and questions that go hand in hand [with a free online "PowerPoint"](#) that explains the answers, step by step, with visual aides at <http://www.mathwarehouse.com/fractions/algebra/how-to-simplify-fraction.php> . (Choose *Regular* Difficulty)

Other Fraction Resources

- 1) <http://www.mathwarehouse.com/fractions/>
- 2) [How to Simplify Fractions](#) (Goes hand in hand with this worksheet)
- 3) [Fraction Games Online](#) at TheMathGames.com
- 4) [Fraction Tutorial](#)

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(These questions are explained with an interactive "PowePoint" at <http://www.mathwarehouse.com/fractions/algebra/how-to-simplify-fraction.php>)

1) Simplify

$$\frac{2}{4}$$

2) Simplify

$$\frac{2}{8}$$

3) Simplify

$$\frac{2}{6}$$

4) Simplify

$$\frac{6}{8}$$

5) Simplify

$$\frac{6}{9}$$

6) Simplify

$$\frac{2}{10}$$

7) Simplify

$$\frac{3}{6}$$

8) Simplify

$$\frac{4}{20}$$

9) Simplify

$$\frac{4}{6}$$

10) Simplify

$$\frac{2}{12}$$

11) Simplify

$$\frac{3}{15}$$

12) Simplify

$$\frac{8}{12}$$

13) Simplify

$$\frac{2}{14}$$

14) Simplify

$$\frac{3}{27}$$

15) Simplify

$$\frac{2}{20}$$

Extend Your Thinking

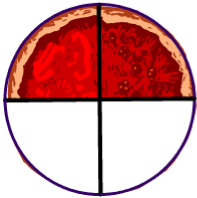
Can you ever simplify a fraction that has a numerator of zero? Explain your reasoning.

Part I ANSWERS

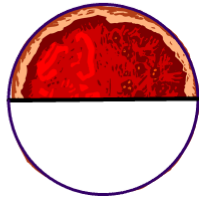
(Based on interactive web page : <http://www.mathwarehouse.com/fractions/algebra/how-to-simplify-fraction.php>)

1) Simplify

$$\frac{2}{4} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$

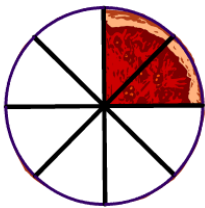


$$\frac{1}{2}$$



2) Simplify

$$\frac{2}{8} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$

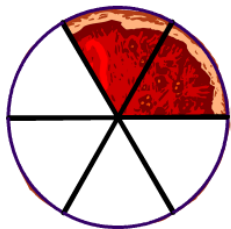


$$\frac{1}{4}$$

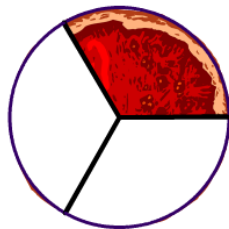


3) Simplify

$$\frac{2}{6} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$



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



4) Simplify

$$\frac{6}{8} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$



$$\frac{3}{4}$$

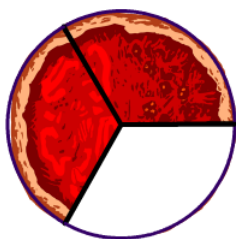


5) Simplify

$$\frac{6}{9} \quad \begin{array}{l} / 3 \\ / 3 \end{array}$$



$$\frac{2}{3}$$

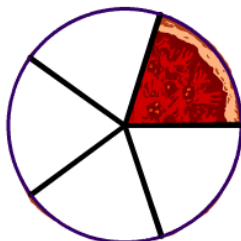


6) Simplify

$$\frac{2}{10} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$



$$\frac{1}{5}$$

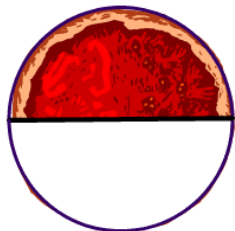


7) Simplify

$$\frac{3}{6} \quad \begin{array}{l} / 3 \\ / 3 \end{array}$$



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

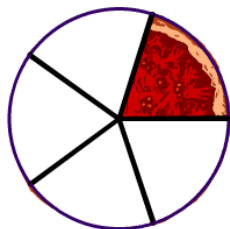


8) Simplify

$$\frac{4}{20} \quad \begin{array}{l} / 4 \\ / 4 \end{array}$$



$$\frac{1}{5}$$

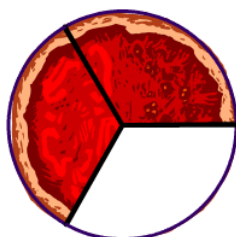


9) Simplify

$$\frac{4}{6} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$

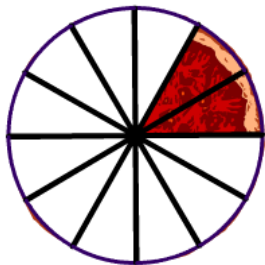


$$\frac{2}{3}$$



10) Simplify

$$\frac{2}{12} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$

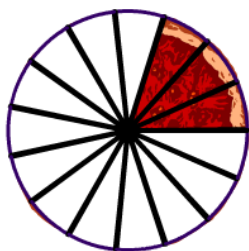


$$\frac{1}{6}$$

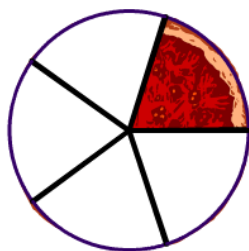


11) Simplify

$$\frac{3}{15} \quad \begin{array}{l} / 3 \\ / 3 \end{array}$$



$$\frac{1}{5}$$

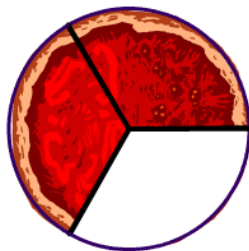


12) Simplify

$$\frac{8}{12} \quad \begin{array}{l} / 4 \\ / 4 \end{array}$$

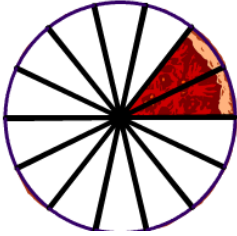


$$\frac{2}{3}$$

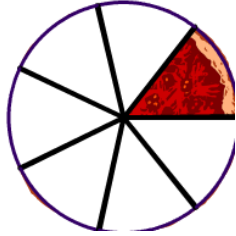


13) Simplify

$$\frac{2}{14} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$



$$\frac{1}{7}$$

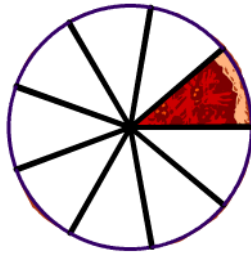


14) Simplify

$$\frac{3}{27} \quad \begin{array}{l} / 3 \\ / 3 \end{array}$$

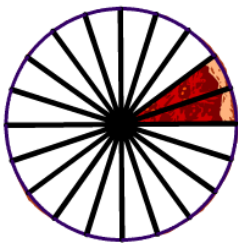


$$\frac{1}{9}$$

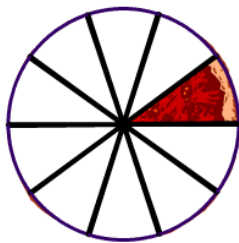


15) Simplify

$$\frac{2}{20} \quad \begin{array}{l} / 2 \\ / 2 \end{array}$$



$$\frac{1}{10}$$



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