

SIMPLIFYING FRACTIONS PRACTICE SHEET - A

ANSWERS - PAGE 1

SIMPLIFYING MEANS TO MAKE THE NUMBERS OF THE FRACTION SMALLER. TO MAKE EASIER.

HELPFUL EXAMPLE

ASK YOURSELF: WHAT NUMBERS CAN I DIVIDE 6 AND 8 BY?	ANSWER: CAN DIVIDE 6 BY 2 OR 3. CAN DIVIDE 8 BY 2 OR 4.	BUT YOU HAVE TO DO THE SAME TO THE TOP AND BOTTOM, SO HAS TO BE THE SAME NUMBER. (2)	ASK YOURSELF: CAN I MAKE THIS ANY SMALLER? BUT REMEMBER, WHAT EVER YOU DO TO THE BOTTOM YOU NEED TO DO TO THE TOP. (NO)
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$\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$

WRITE EACH FRACTION IN SIMPLEST FORM.

- $\frac{3}{6} = \frac{3 \div 3}{6 \div 3} = \frac{1}{2}$
- $\frac{14}{21} = \frac{14 \div 7}{21 \div 7} = \frac{2}{3}$
- $\frac{6}{8} = \frac{3}{4}$ (DIVE BY 2)
- $\frac{8}{10} = \frac{4}{5}$ (DIVE BY 2)
- $\frac{6}{9} = \frac{2}{3}$ (DIVE BY 3)
- $\frac{10}{15} = \frac{2}{3}$ (DIVE BY 5)
- $\frac{2}{4} = \frac{1}{2}$
- $\frac{5}{10} = \frac{1}{2}$
- $\frac{4}{6} = \frac{2}{3}$
- $\frac{15}{21} = \frac{5}{7}$
- $\frac{22}{33} = \frac{2}{3}$
- $\frac{14}{21} = \frac{2}{3}$
- $\frac{10}{25} = \frac{2}{5}$
- $\frac{13}{26} = \frac{1}{2}$
- $\frac{3}{18} = \frac{1}{6}$
- $\frac{15}{18} = \frac{5}{6}$
- $\frac{6}{14} = \frac{3}{7}$
- $\frac{11}{44} = \frac{1}{4}$
- $\frac{4}{14} = \frac{2}{7}$
- $\frac{2}{8} = \frac{1}{4}$
- $\frac{9}{15} = \frac{3}{5}$
- $\frac{6}{27} = \frac{2}{9}$
- $\frac{5}{35} = \frac{1}{7}$
- $\frac{35}{49} = \frac{5}{7}$
- $\frac{24}{33} = \frac{8}{11}$
- $\frac{8}{16} = \frac{1}{2}$
- $\frac{9}{30} = \frac{3}{10}$
- $\frac{18}{27} = \frac{2}{3}$
- $\frac{21}{56} = \frac{3}{8}$
- $\frac{26}{39} = \frac{2}{3}$

SIMPLIFYING FRACTIONS PRACTICE SHEET - C

ANSWERS - PAGE 3

SIMPLIFYING MEANS TO MAKE THE NUMBERS OF THE FRACTION SMALLER. TO MAKE EASIER.

SIMPLIFY EACH FRACTION

- $\frac{6}{24} = \frac{1}{4}$
- $\frac{14}{18} = \frac{7}{9}$
- $\frac{5}{20} = \frac{1}{4}$
- $\frac{9}{27} = \frac{1}{3}$
- $\frac{2}{20} = \frac{1}{10}$
- $\frac{24}{32} = \frac{3}{4}$
- $\frac{22}{44} = \frac{1}{2}$
- $\frac{8}{24} = \frac{1}{3}$
- $\frac{12}{40} = \frac{3}{10}$
- $\frac{13}{26} = \frac{1}{2}$
- $\frac{21}{49} = \frac{3}{7}$
- $\frac{20}{28} = \frac{5}{7}$
- $\frac{6}{36} = \frac{1}{6}$
- $\frac{15}{45} = \frac{1}{3}$
- $\frac{33}{66} = \frac{1}{2}$
- $\frac{60}{64} = \frac{15}{16}$
- $\frac{14}{20} = \frac{7}{10}$
- $\frac{32}{56} = \frac{4}{7}$
- $\frac{36}{60} = \frac{3}{5}$
- $\frac{7}{42} = \frac{1}{6}$
- $\frac{17}{34} = \frac{1}{2}$
- $\frac{72}{90} = \frac{4}{5}$
- $\frac{15}{33} = \frac{5}{11}$
- $\frac{9}{36} = \frac{1}{4}$
- $\frac{16}{24} = \frac{2}{3}$
- $\frac{21}{30} = \frac{7}{10}$
- $\frac{20}{34} = \frac{10}{17}$
- $\frac{2}{16} = \frac{1}{8}$
- $\frac{18}{45} = \frac{2}{5}$
- $\frac{6}{42} = \frac{1}{7}$
- $\frac{9}{54} = \frac{1}{6}$
- $\frac{18}{30} = \frac{3}{5}$
- $\frac{16}{56} = \frac{2}{7}$
- $\frac{23}{46} = \frac{1}{2}$
- $\frac{88}{90} = \frac{44}{45}$
- $\frac{18}{54} = \frac{1}{3}$
- $\frac{4}{44} = \frac{1}{11}$
- $\frac{36}{72} = \frac{1}{2}$
- $\frac{48}{120} = \frac{2}{5}$
- $\frac{39}{65} = \frac{3}{5}$

SIMPLIFYING FRACTIONS PRACTICE SHEET - B

ANSWERS - PAGE 2

SIMPLIFYING MEANS TO MAKE THE NUMBERS OF THE FRACTION SMALLER. TO MAKE EASIER.

HELPFUL EXAMPLE

ASK YOURSELF: WHAT NUMBERS CAN I DIVIDE 12 AND 18 BY?	ANSWER: CAN DIVIDE 12 BY 2, 3, 4 OR 6. CAN DIVIDE 18 BY 2, 3, 6 OR 9.	ON THIS PROBLEM YOU HAVE A FEW CHOICES. YOU CAN DIVIDE BOTH OF THEM BY 2, 3, OR 6.
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$\frac{12}{18} = \frac{12 \div 2}{18 \div 2} = \frac{6}{9} = \frac{6 \div 3}{9 \div 3} = \frac{2}{3}$

$\frac{12}{18} = \frac{12 \div 6}{18 \div 6} = \frac{2}{3}$ **SAME ANSWER**

WHAT HAPPENS IF YOU DIVIDE BY 2 OR 3? WHAT HAPPENS IF YOU DIVIDE BY 6? EITHER WAY IS CORRECT, BUT ONE WAY TAKES A LITTLE LONGER.

SIMPLIFY EACH FRACTION.

- $\frac{20}{30} = \frac{2 \div 5}{3 \div 5} = \frac{2}{3}$
- $\frac{20}{30} = \frac{2 \div 10}{3 \div 10} = \frac{2}{3}$
- $\frac{8}{10} = \frac{4}{5}$
- $\frac{12}{14} = \frac{6}{7}$
- $\frac{9}{18} = \frac{1}{2}$
- $\frac{4}{8} = \frac{1}{2}$
- $\frac{12}{36} = \frac{1}{3}$
- $\frac{4}{16} = \frac{1}{4}$
- $\frac{8}{12} = \frac{2}{3}$
- $\frac{44}{66} = \frac{2}{3}$
- $\frac{20}{40} = \frac{1}{2}$
- $\frac{6}{30} = \frac{1}{5}$
- $\frac{14}{28} = \frac{1}{2}$
- $\frac{10}{12} = \frac{5}{6}$
- $\frac{42}{48} = \frac{7}{8}$
- $\frac{7}{21} = \frac{1}{3}$
- $\frac{9}{15} = \frac{3}{5}$
- $\frac{8}{40} = \frac{1}{5}$
- $\frac{2}{8} = \frac{1}{4}$
- $\frac{22}{55} = \frac{2}{5}$
- $\frac{28}{42} = \frac{2}{3}$
- $\frac{15}{24} = \frac{5}{8}$
- $\frac{35}{65} = \frac{7}{13}$
- $\frac{8}{32} = \frac{1}{4}$
- $\frac{6}{18} = \frac{1}{3}$
- $\frac{2}{14} = \frac{1}{7}$
- $\frac{28}{32} = \frac{7}{8}$
- $\frac{10}{22} = \frac{5}{11}$
- $\frac{40}{60} = \frac{2}{3}$
- $\frac{18}{72} = \frac{1}{4}$

ANSWERS FOR ALL 3 PAGES