

SIMPLIFYING FRACTIONS PRACTICE SHEET - A

NAME: _____

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?

$$\frac{6}{8} = \text{---}$$



ANSWER:
CAN DIVIDE 6 BY 2 OR 3.
CAN DIVIDE 8 BY 2 OR 4.

$$\frac{6}{8} = \text{---}$$



BUT YOU HAVE TO DO THE
SAME TO THE TOP AND
BOTTOM, SO HAS TO BE
THE SAME NUMBER. (2)

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

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)

WRITE EACH FRACTION IN SIMPLEST FORM.

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

2. $\frac{14}{21} = \frac{14 \div 7}{21 \div 7} = \text{---}$

3. $\frac{6}{8} = \frac{3}{4}$
DIVIDE BY 2

4. $\frac{8}{10} = \text{---}$
DIVIDE BY 2

5. $\frac{6}{9} = \text{---}$
DIVIDE BY 3

6. $\frac{10}{15} = \text{---}$
DIVIDE BY 5

7. $\frac{2}{4} = \text{---}$

8. $\frac{5}{10} = \text{---}$

9. $\frac{4}{6} = \text{---}$

10. $\frac{15}{21} = \text{---}$

11. $\frac{22}{33} = \text{---}$

12. $\frac{14}{21} = \text{---}$

13. $\frac{10}{25} = \text{---}$

14. $\frac{13}{26} = \text{---}$

15. $\frac{3}{18} = \text{---}$

16. $\frac{15}{18} = \text{---}$

17. $\frac{6}{14} = \text{---}$

18. $\frac{11}{44} = \text{---}$

19. $\frac{4}{14} = \text{---}$

20. $\frac{2}{8} = \text{---}$

21. $\frac{9}{15} = \text{---}$

22. $\frac{6}{27} = \text{---}$

23. $\frac{5}{35} = \text{---}$

24. $\frac{35}{49} = \text{---}$

25. $\frac{24}{33} = \text{---}$

26. $\frac{8}{16} = \text{---}$

27. $\frac{9}{30} = \text{---}$

28. $\frac{18}{27} = \text{---}$

29. $\frac{21}{56} = \text{---}$

30. $\frac{26}{39} = \text{---}$

SIMPLIFYING FRACTIONS PRACTICE SHEET - B

NAME: _____

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.

$$\frac{12}{18} = \text{---} \quad \Rightarrow \quad \frac{12}{18} = \text{---}$$

$$\frac{12}{18} \div \frac{2}{2} = \frac{6}{9} \div \frac{3}{3} = \frac{2}{3}$$

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.

----- OR -----

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

SAME ANSWER

SIMPLIFY EACH FRACTION.

1. $\frac{20}{30} \div \frac{5}{5} = \frac{4}{6} \div \frac{2}{2} = \frac{2}{3}$

2. $\frac{20}{30} \div \frac{10}{10} = \text{---}$

3. $\frac{8}{10} = \text{---}$

4. $\frac{12}{14} = \text{---}$

5. $\frac{9}{18} = \text{---}$

6. $\frac{4}{8} = \text{---}$

7. $\frac{12}{36} = \text{---}$

8. $\frac{4}{16} = \text{---}$

9. $\frac{8}{12} = \text{---}$

10. $\frac{44}{66} = \text{---}$

11. $\frac{20}{40} = \text{---}$

12. $\frac{6}{30} = \text{---}$

13. $\frac{14}{28} = \text{---}$

14. $\frac{10}{12} = \text{---}$

15. $\frac{42}{48} = \text{---}$

16. $\frac{7}{21} = \text{---}$

17. $\frac{9}{15} = \text{---}$

18. $\frac{8}{40} = \text{---}$

19. $\frac{2}{8} = \text{---}$

20. $\frac{22}{55} = \text{---}$

21. $\frac{28}{42} = \text{---}$

22. $\frac{15}{24} = \text{---}$

23. $\frac{35}{65} = \text{---}$

24. $\frac{8}{32} = \text{---}$

25. $\frac{6}{18} = \text{---}$

26. $\frac{2}{14} = \text{---}$

27. $\frac{28}{32} = \text{---}$

28. $\frac{10}{22} = \text{---}$

29. $\frac{40}{60} = \text{---}$

30. $\frac{18}{72} = \text{---}$

SIMPLIFYING FRACTIONS PRACTICE SHEET - C

NAME:

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

SIMPLIFY EACH FRACTION.

1. $\frac{6}{24} = \underline{\quad}$

1. $\frac{14}{18} = \underline{\quad}$

3. $\frac{5}{20} = \underline{\quad}$

4. $\frac{9}{27} = \underline{\quad}$

5. $\frac{2}{20} = \underline{\quad}$

6. $\frac{24}{32} = \underline{\quad}$

7. $\frac{22}{44} = \underline{\quad}$

8. $\frac{8}{24} = \underline{\quad}$

9. $\frac{12}{40} = \underline{\quad}$

10. $\frac{13}{26} = \underline{\quad}$

11. $\frac{21}{49} = \underline{\quad}$

12. $\frac{20}{28} = \underline{\quad}$

13. $\frac{6}{36} = \underline{\quad}$

14. $\frac{15}{45} = \underline{\quad}$

15. $\frac{33}{66} = \underline{\quad}$

16. $\frac{60}{64} = \underline{\quad}$

17. $\frac{14}{20} = \underline{\quad}$

18. $\frac{32}{56} = \underline{\quad}$

19. $\frac{36}{60} = \underline{\quad}$

20. $\frac{7}{42} = \underline{\quad}$

21. $\frac{17}{34} = \underline{\quad}$

22. $\frac{72}{90} = \underline{\quad}$

23. $\frac{15}{33} = \underline{\quad}$

24. $\frac{9}{36} = \underline{\quad}$

25. $\frac{16}{24} = \underline{\quad}$

26. $\frac{21}{30} = \underline{\quad}$

27. $\frac{20}{34} = \underline{\quad}$

28. $\frac{2}{16} = \underline{\quad}$

29. $\frac{18}{45} = \underline{\quad}$

30. $\frac{6}{42} = \underline{\quad}$

31. $\frac{9}{54} = \underline{\quad}$

32. $\frac{18}{30} = \underline{\quad}$

33. $\frac{16}{56} = \underline{\quad}$

34. $\frac{23}{46} = \underline{\quad}$

35. $\frac{88}{90} = \underline{\quad}$

36. $\frac{18}{54} = \underline{\quad}$

37. $\frac{4}{44} = \underline{\quad}$

38. $\frac{36}{72} = \underline{\quad}$

39. $\frac{48}{120} = \underline{\quad}$

40. $\frac{39}{65} = \underline{\quad}$