

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.

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

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

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 -----

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

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