

Comparing Fractions

Different Numerators & Different Denominators

Name: _____

Date: _____

Quick Tip: To compare fractions with different denominators, find a common denominator (or use cross-multiplication). The fraction with the larger numerator (after making denominators the same) is greater.

Part 1: Compare Using <, >, or =

Write the correct symbol (<, >, or =) in the blank to compare each pair of fractions.

1. $\frac{3}{4}$ _____ $\frac{2}{5}$	7. $\frac{1}{2}$ _____ $\frac{5}{11}$
2. $\frac{5}{6}$ _____ $\frac{7}{8}$	8. $\frac{8}{9}$ _____ $\frac{7}{8}$
3. $\frac{2}{3}$ _____ $\frac{3}{5}$	9. $\frac{3}{7}$ _____ $\frac{2}{5}$
4. $\frac{4}{9}$ _____ $\frac{5}{12}$	10. $\frac{4}{5}$ _____ $\frac{7}{9}$
5. $\frac{7}{10}$ _____ $\frac{2}{3}$	11. $\frac{5}{12}$ _____ $\frac{3}{8}$
6. $\frac{5}{8}$ _____ $\frac{3}{4}$	12. $\frac{6}{7}$ _____ $\frac{5}{6}$

Part 2: Circle the Greater Fraction

Circle the fraction that is greater in each pair.

13. $\frac{5}{9}$ or $\frac{4}{7}$	16. $\frac{4}{6}$ or $\frac{5}{9}$
14. $\frac{3}{8}$ or $\frac{2}{5}$	17. $\frac{8}{11}$ or $\frac{3}{4}$
15. $\frac{7}{12}$ or $\frac{5}{8}$	18. $\frac{2}{9}$ or $\frac{1}{4}$

Part 3: Order the Fractions

Write the fractions in order from **least to greatest**.

19. $\frac{2}{5}$, $\frac{1}{3}$, $\frac{3}{7}$	Least: _____ : Greatest
20. $\frac{5}{8}$, $\frac{3}{4}$, $\frac{2}{3}$	Least: _____ : Greatest
21. $\frac{4}{9}$, $\frac{1}{2}$, $\frac{3}{8}$	Least: _____ : Greatest

22. $\frac{7}{10}$, $\frac{5}{6}$, $\frac{3}{4}$

Least: _____ : Greatest

Part 4: Challenge – True or False

Write **T** for True or **F** for False. If false, rewrite the comparison correctly.

23. $\frac{3}{5} > \frac{4}{7}$

_____ Correct (if needed): _____

24. $\frac{5}{9} < \frac{2}{3}$

_____ Correct (if needed): _____

25. $\frac{7}{8} = \frac{6}{7}$

_____ Correct (if needed): _____

26. $\frac{4}{11} > \frac{1}{3}$

_____ Correct (if needed): _____

Show your work on a separate sheet or in the margins. Strategies: common denominators • cross-multiply • benchmark fractions ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$)

Answer Key

Comparing Fractions Worksheet

Part 1: Compare Using $<$, $>$, or $=$

1. $\frac{3}{4} > \frac{2}{5}$	2. $\frac{5}{6} < \frac{7}{8}$	3. $\frac{2}{3} > \frac{3}{5}$	4. $\frac{4}{9} > \frac{5}{12}$
5. $\frac{7}{10} > \frac{2}{3}$	6. $\frac{5}{8} < \frac{3}{4}$	7. $\frac{1}{2} > \frac{5}{11}$	8. $\frac{8}{9} > \frac{7}{8}$
9. $\frac{3}{7} > \frac{2}{5}$	10. $\frac{4}{5} > \frac{7}{9}$	11. $\frac{5}{12} > \frac{3}{8}$	12. $\frac{6}{7} > \frac{5}{6}$

Part 2: Circle the Greater Fraction

13. $\frac{5}{9}$ (greater than $\frac{4}{7}$)	14. $\frac{2}{5}$ (greater than $\frac{3}{8}$)	15. $\frac{5}{8}$ (greater than $\frac{7}{12}$)
16. $\frac{4}{6} = \frac{2}{3}$ (greater than $\frac{5}{9}$)	17. $\frac{3}{4}$ (greater than $\frac{8}{11}$)	18. $\frac{1}{4}$ (greater than $\frac{2}{9}$)

Part 3: Order the Fractions (Least $\rightarrow$ Greatest)

19. $\frac{1}{3}$, $\frac{2}{5}$, $\frac{3}{7}$
20. $\frac{5}{8}$, $\frac{2}{3}$, $\frac{3}{4}$
21. $\frac{3}{8}$, $\frac{4}{9}$, $\frac{1}{2}$
22. $\frac{7}{10}$, $\frac{3}{4}$, $\frac{5}{6}$

Part 4: True or False

23. T ($\frac{3}{5} = 0.6$, $\frac{4}{7} \approx 0.571$)
24. T ($\frac{5}{9} \approx 0.556$, $\frac{2}{3} \approx 0.667$)
25. F $\rightarrow \frac{7}{8} > \frac{6}{7}$
26. F $\rightarrow \frac{4}{11} < \frac{1}{3}$

Notes for teachers: Problems progress from basic comparison $\rightarrow$ ordering $\rightarrow$ true/false reasoning. Encourage students to show common denominators or cross-products as evidence.