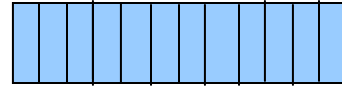
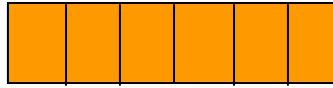
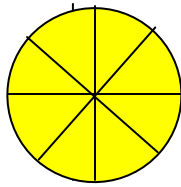
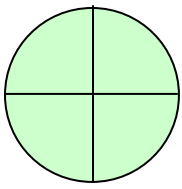


Homework: Rational Numbers/ Compare

Shade in the given fraction. Judging by sight, place the sign $>$, $<$, or $=$ between the fractions.



1. a. $\frac{3}{4}$ _____ $\frac{7}{8}$

b. $\frac{5}{6}$ _____ $\frac{7}{12}$

Place $>$, $<$, or $=$ between the fractions to make a true statement. Use cross-products to compare. Remember to multiply from the bottom up and compare the upper products. See example #1.

2. $\frac{3}{4}$ _____ $\frac{5}{7}$

(Note: In the original image, the fraction 3/4 has a '21' above it and 5/7 has a '20' above it. A red arrow points from the 21 to the 20, and a red arrow points from the 5 to the 3, indicating the cross-product comparison 21 > 20.)

3. $\frac{2}{3}$ _____ $\frac{5}{7}$

4. $\frac{5}{8}$ _____ $\frac{4}{7}$

5. $\frac{4}{9}$ _____ $\frac{1}{3}$

6. $\frac{2}{3}$ _____ $\frac{4}{9}$

7. $\frac{1}{4}$ _____ $\frac{5}{16}$

8. $\frac{2}{7}$ _____ $\frac{5}{12}$

9. $\frac{8}{3}$ _____ $\frac{11}{4}$

10. $\frac{7}{9}$ _____ $\frac{5}{7}$

11. $\frac{1}{3}$ _____ $\frac{3}{8}$

12. $\frac{5}{9}$ _____ $\frac{2}{3}$

13. $\frac{4}{5}$ _____ $\frac{7}{9}$

Change each fraction to a decimal, compare, and write $>$, $<$, or $=$ between each pair.

14. $\frac{5}{8}$ _____ $\frac{7}{9}$

15. $\frac{3}{5}$ _____ $\frac{4}{7}$

16. $\frac{5}{9}$ _____ $\frac{1}{2}$

17. $\frac{5}{7}$ _____ $\frac{3}{4}$

18. $\frac{7}{8}$ _____ $\frac{6}{7}$

19. $\frac{2}{5}$ _____ $\frac{4}{9}$

20. $\frac{4}{7}$ _____ $\frac{5}{12}$

21. $\frac{5}{8}$ _____ $\frac{2}{3}$

Arrange the numbers in order from smallest to greatest.

22. $\frac{2}{3}$, $\frac{5}{8}$, $\frac{3}{5}$

23. $\frac{5}{7}$, $\frac{3}{4}$, $\frac{7}{9}$

24. $\frac{1}{4}$, $\frac{2}{9}$, $\frac{3}{11}$

25. $\frac{4}{5}$, $\frac{8}{11}$, $\frac{7}{8}$