Using Models to Compare Fractions

**SKILLS**

1. Compare $\frac{1}{4}$ and $\frac{1}{5}$.

   FIRST, shade $\frac{1}{4}$ of the top figure.
   NEXT, shade $\frac{1}{5}$ of the bottom figure.
   THEN, decide which shaded part is larger.
   FINALLY, write the greater fraction on the line.

2. Compare $\frac{3}{5}$ and $\frac{7}{10}$.

3. Compare $\frac{5}{6}$ and $\frac{3}{4}$.

4. Compare $\frac{5}{8}$ and $\frac{2}{3}$.

5. Compare $\frac{1}{2}$ and $\frac{4}{6}$.

Compare the fractions using $>$ and $<$.

6. Compare $\frac{1}{2}$ and $\frac{3}{10}$.

   $\frac{1}{2} \quad \frac{3}{10}$

7. Compare $\frac{5}{6}$ and $\frac{2}{3}$.

Order the fractions from least to greatest.

8. $\frac{1}{2}, \frac{5}{8}, \frac{2}{3}$

9. $\frac{2}{5}, \frac{3}{10}, \frac{4}{5}$

10. $\frac{1}{2}, \frac{3}{8}, \frac{1}{4}$

11. $\frac{5}{8}, \frac{5}{8}, \frac{1}{2}$
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CRITICAL THINKING AND PROBLEM SOLVING

12. John ate \( \frac{3}{4} \) of a 9-inch pie. Rachna ate \( \frac{1}{2} \) of a 9-inch pie. Josh ate \( \frac{1}{3} \) of a 9-inch pie. Who ate the most pie?

\( \underline{\text{_______________}} \) ate the most.

13. You have a dozen donuts. You ate \( \frac{3}{12} \) of them, your brother ate \( \frac{1}{3} \) of them, and your sister ate \( \frac{1}{6} \) of them. Who ate the most donuts?

\( \underline{\text{_______________}} \) ate the most donuts.

14. You take a survey to see what pets people own. \( \frac{8}{15} \) of the people own a dog, \( \frac{3}{5} \) own a cat, and \( \frac{1}{10} \) own a bird. What kind of pet is owned by more people?

More people own \( \underline{\text{_______________}} \).

15. Three friends put their money together to buy a pizza. Maria contributed \( \frac{1}{5} \), Ashley contributed \( \frac{3}{8} \), and Brianna contributed \( \frac{1}{2} \). Who contributed the greatest amount?

\( \underline{\text{_______________}} \) contributed the greatest amount.

16. In a relay race, Pablo ran \( \frac{1}{2} \) mile, Jason ran \( \frac{3}{10} \) mile, and Grant ran \( \frac{1}{5} \) mile. Who ran the furthest?

\( \underline{\text{_______________}} \) ran the furthest.

Circle the fraction in each group that is closest to 1.

17. \( \frac{2}{3} \) \( \frac{1}{2} \) \( \frac{5}{6} \)

18. \( \frac{5}{8} \) \( \frac{1}{2} \) \( \frac{7}{8} \)

19. \( \frac{1}{2} \) \( \frac{1}{5} \) \( \frac{1}{9} \)

20. \( \frac{8}{10} \) \( \frac{3}{5} \) \( \frac{3}{4} \)

21. \( \frac{3}{8} \) \( \frac{2}{3} \) \( \frac{8}{9} \)

22. \( \frac{11}{20} \) \( \frac{7}{10} \) \( \frac{3}{8} \)