

WS 139 #8, #9, #10, #11, #12, #14, #15(a,b), #16

8. Find each quotient.

a) $\frac{7}{10} \div \frac{3}{10}$ b) $\frac{5}{9} \div \frac{2}{9}$
 c) $\frac{3}{5} \div \frac{2}{5}$ d) $\frac{4}{5} \div \frac{2}{5}$

9. Use multiplication to find each quotient.

a) $\frac{8}{5} \div \frac{3}{4}$ b) $\frac{9}{10} \div \frac{5}{3}$
 c) $\frac{7}{2} \div \frac{4}{3}$ d) $\frac{1}{2} \div \frac{7}{6}$

10. ~~Use common denominators~~ to find each quotient.

a) $\frac{7}{12} \div \frac{1}{4}$ b) $\frac{3}{5} \div \frac{11}{10}$
 c) $\frac{5}{2} \div \frac{1}{3}$ d) $\frac{5}{6} \div \frac{9}{8}$

11. Divide. ~~Estimate to check each quotient is reasonable.~~

a) $\frac{5}{3} \div \frac{3}{5}$ b) $\frac{4}{9} \div \frac{4}{9}$ c) $\frac{1}{6} \div \frac{5}{2}$

12. Suppose you have $\frac{11}{12}$ of a cake.

How many servings can you make of each size?

a) $\frac{1}{4}$ of the cake $\frac{11}{12} \div \frac{1}{4}$ b) $\frac{1}{3}$ of the cake
 c) $\frac{1}{6}$ of the cake d) $\frac{1}{2}$ of the cake

14. As a busboy in a restaurant, Amiel takes $\frac{1}{12}$ h to clear and reset a table.

How many tables can Amiel clear in $\frac{2}{3}$ h? Estimate to check the solution is reasonable.

15. Divide. Estimate to check each quotient is reasonable.

a) $\frac{27}{28} \div \frac{9}{14}$ b) $\frac{15}{22} \div \frac{3}{11}$
 c) $\frac{32}{51} \div \frac{8}{17}$ d) $\frac{57}{69} \div \frac{19}{115}$

16. To conduct a science experiment, each pair of students requires $\frac{1}{16}$ cup of vinegar. The science teacher has $\frac{3}{4}$ cup of vinegar. How many pairs of students can conduct the experiment?