

Determine the reciprocal of each number.

7. 8

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

9. $\frac{2}{5}$

10. $\frac{8}{11}$

Pick one problem from each situation with a total of five problems to complete. Simplify each solution before completing the multiplication step.

- Complete #18.
- Choose one problem that is a fraction divided by a fraction.
- Choose one problem that is a fraction divided by a whole number.
- Choose one problem that is a whole number divided by a fraction.
- Choose one problem of your choice.

11. $\frac{1}{8} \div \frac{1}{4}$

12. $\frac{5}{6} \div \frac{2}{7}$

13. $12 \div \frac{3}{4}$

14. $8 \div \frac{2}{5}$

15. $\frac{3}{7} \div 6$

16. $\frac{12}{25} \div 4$

17. $\frac{2}{9} \div \frac{2}{3}$

18. $\frac{8}{15} \div \frac{4}{5}$

19. $\frac{1}{3} \div \frac{1}{9}$

20. $\frac{7}{10} \div \frac{3}{8}$

21. $\frac{14}{27} \div 7$

22. $\frac{5}{8} \div 15$

23. $\frac{27}{32} \div \frac{7}{8}$

24. $\frac{4}{15} \div \frac{10}{13}$

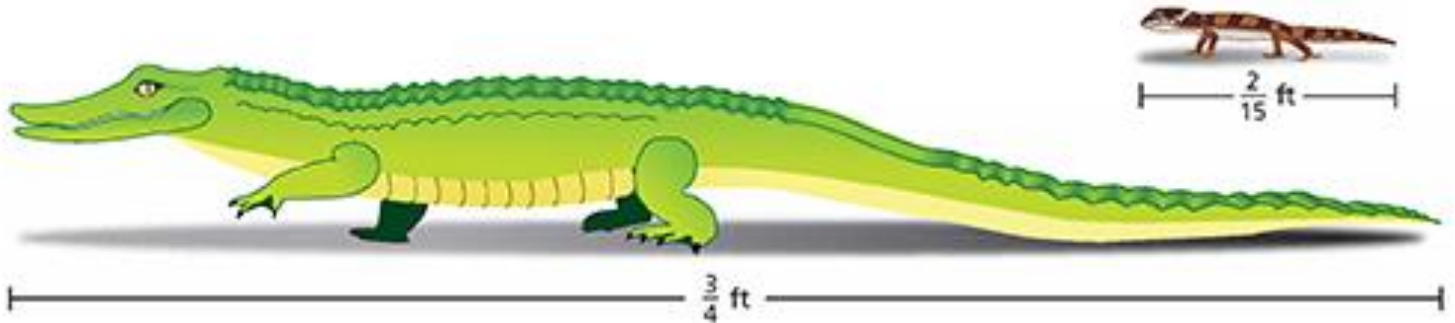
25. $9 \div \frac{4}{9}$

26. $10 \div \frac{5}{12}$

Determine a solution for each problem by showing work. Simplify each solution.

30. **APPLE PIE** You have $\frac{3}{5}$ of an apple pie. You divide the remaining pie into 5 equal slices. What fraction of the original pie is each slice?

31. **ANIMALS** How many times longer is the baby alligator than the baby gecko?



52. **REASONING** Use a model to evaluate the quotient $\frac{1}{2} \div \frac{1}{6}$. Explain.

53. **VIDEO CHATTING** You use $\frac{1}{8}$ of your battery for every $\frac{2}{5}$ of an hour that you video chat. You use $\frac{3}{4}$ of your battery video chatting. How long did you video chat?

Draw a picture to determine a solution for #53.

