

Do You Know How?

In 7-14, find each reciprocal.

- | | |
|----------------------|----------------------|
| 7. $\frac{3}{4}$ | 8. $\frac{1}{6}$ |
| <input type="text"/> | <input type="text"/> |
| 9. 9 | 10. $\frac{7}{4}$ |
| <input type="text"/> | <input type="text"/> |
| 11. $\frac{5}{8}$ | 12. 16 |
| <input type="text"/> | <input type="text"/> |
| 13. $\frac{7}{12}$ | 14. $\frac{11}{5}$ |
| <input type="text"/> | <input type="text"/> |

In 15-22, find each quotient.

- | | | | |
|--------------------------|-------|---------------------------|-------|
| 15. $6 \div \frac{2}{3}$ | or 9 | 16. $12 \div \frac{3}{8}$ | or 32 |
| <input type="text"/> | | <input type="text"/> | |
| 17. $\frac{1}{4} \div 3$ | | 18. $\frac{2}{5} \div 2$ | or |
| <input type="text"/> | | <input type="text"/> | |
| 19. $2 \div \frac{1}{2}$ | or 4 | 20. $3 \div \frac{1}{4}$ | or 12 |
| <input type="text"/> | | <input type="text"/> | |
| 21. $9 \div \frac{3}{5}$ | or 15 | 22. $5 \div \frac{2}{7}$ | |
| <input type="text"/> | | <input type="text"/> | |

Practice & Problem Solving

Leveled Practice In 23 and 24, complete each division sentence.

23. $6 \div \frac{\square}{\square} = 12$



The number line shows 6 wholes.

24. $\frac{2}{3} \div \frac{\square}{\square} = \frac{2}{9}$



In 25 and 26, find each quotient. Draw a diagram to help.

25. $\frac{3}{5} \div 3$

26. $2 \div \frac{2}{5}$

In 27-30, find each reciprocal.

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|----------------------|----------------------|----------------------|----------------------|
| 27. $\frac{3}{10}$ | 28. 6 | 29. $\frac{1}{15}$ | 30. 3 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

In 31-38, find each quotient.

- | | | | |
|---------------------------|--------------------------|---------------------------|--------------------------|
| 31. $36 \div \frac{3}{4}$ | 32. $2 \div \frac{3}{8}$ | 33. $18 \div \frac{2}{3}$ | 34. $9 \div \frac{4}{5}$ |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 35. $\frac{1}{6} \div 2$ | 36. $\frac{2}{5} \div 3$ | 37. $\frac{3}{5} \div 2$ | 38. $\frac{1}{4} \div 4$ |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

39. A worker is pouring 3 quarts of liquid into $\frac{3}{8}$ -quart containers. How many of the containers can she fill? Write and solve a division equation.

 \div

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In 40-43, use the given information.

A snail can move 120 ft in $\frac{3}{4}$ h.

A tortoise can move 600 ft in $\frac{2}{3}$ h.

A sloth can move 250 ft in $\frac{5}{8}$ h.

40. **Higher Order Thinking** Without doing any calculations, how can you use the information given to tell which animal moves the fastest? The _____ moves the fastest because it moved farther than the _____.

41. **Reasoning** The quotient $250 \div \frac{5}{8}$ tells about how far a sloth may move in one hour. How far can a sloth go in 90 minutes? Justify your reasoning.

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