

Dividing a Whole Number by a Fraction

Find the reciprocal of each fraction or whole number.

1. $\frac{5}{9}$ _____ 2. 8 _____ 3. $\frac{7}{3}$ _____

Find each quotient. Simplify if possible.

4. $8 \div \frac{2}{5} =$ _____ 5. $4 \div \frac{1}{6} =$ _____ 6. $18 \div \frac{3}{8} =$ _____

7. $12 \div \frac{1}{2} =$ _____ 8. $42 \div \frac{7}{9} =$ _____ 9. $10 \div \frac{5}{6} =$ _____

10. $20 \div \frac{3}{4} =$ _____ 11. $22 \div \frac{5}{6} =$ _____ 12. $7 \div \frac{2}{3} =$ _____

13. $9 \div \frac{1}{8} =$ _____ 14. $15 \div \frac{1}{3} =$ _____ 15. $6 \div \frac{1}{5} =$ _____

16. **Writing to Explain** Will the quotient of $5 \div \frac{7}{8}$ be greater than or less than 5? Explain.

17. **Reasoning** How many times will you need to fill a $\frac{1}{2}$ cup measuring cup to measure 4 cups of flour?

18. **Geometry** The distance around a circular flower bed is 36 feet. Jasper wants to put stakes every 8 inches ($\frac{2}{3}$ of a foot) around the bed. How many stakes does he need?

19. **Algebra** Which expression is equal to $9 \times \frac{3}{2}$?

A $2 \div \frac{3}{9}$

B $3 \div \frac{9}{2}$

C $9 \div \frac{2}{3}$

D $9 \div \frac{3}{2}$