

Divide. Write in simplest form. (Examples 1-3)

1. $\frac{3}{8} \div \frac{6}{7} =$ _____

2. $-\frac{2}{3} \div \left(-\frac{1}{2}\right) =$ _____

3. $\frac{1}{2} \div 7\frac{1}{2} =$ _____

4. $6 \div \left(-\frac{1}{2}\right) =$ _____

5. $-\frac{4}{9} \div (-2) =$ _____

6. $\frac{2}{3} \div 2\frac{1}{2} =$ _____

7. Cheryl is organizing her movie collection. If each movie case is $\frac{3}{4}$ inch wide, how many movies can fit on a shelf $5\frac{1}{4}$ feet wide? (Example 4)

8. Tara bought a dozen folders. She took $\frac{1}{3}$ of the dozen and then divided the remaining folders equally among her four friends. What fraction of the dozen did each of her four friends receive? How many folders was this per person?

9. $-5\frac{2}{7} \div (-2\frac{1}{7}) =$


10. $-5\frac{1}{5} \div \frac{2}{3} =$

11. Vinh bought $4\frac{1}{2}$ gallons of ice cream to serve. If a pint is $\frac{1}{8}$ of a gallon, how many pint-sized servings can be made?

12. William has $8\frac{1}{4}$ cups of fruit juice. If he divides the juice into $\frac{3}{4}$ -cup servings, how many servings will he have?

13. Which procedure would you use to find $\frac{2}{3} \div \frac{7}{9}$?

- (A) Multiply the first fraction by the reciprocal of the second fraction.
- (B) Multiply the second fraction by the reciprocal of the first fraction.
- (C) Multiply by the least common multiple of 3 and 9.
- (D) Multiply by the greatest common factor of 3 and 9.

14.  **Find the Error** Blake is finding $\frac{4}{5} \div \frac{6}{7}$. Find his mistake and correct it.

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$$\frac{4}{5} \div \frac{6}{7} = \frac{5}{4} \cdot \frac{6}{7}$$
$$= \frac{30}{28} \text{ or } 1\frac{1}{14}$$



