

## 2.3 Practice B

Divide. Write the answer in simplest form.

1.  $3\frac{1}{2} \div 2\frac{1}{4}$

2.  $7\frac{3}{4} \div 1\frac{5}{8}$

3.  $4\frac{1}{2} \div 2\frac{2}{3}$

4.  $10 \div 2\frac{2}{9}$

5.  $16\frac{1}{3} \div 14$

6.  $8\frac{2}{5} \div \frac{9}{10}$

7.  $\frac{3}{4} \div 8\frac{1}{4}$

8.  $6\frac{1}{2} \div 3\frac{3}{4}$

9.  $18 \div 4\frac{1}{5}$

10.  $\frac{7}{16} \div 5\frac{1}{4}$

11.  $10\frac{2}{3} \div 3\frac{1}{5}$

12.  $9\frac{4}{9} \div 5\frac{2}{3}$

13. Describe and correct the error in finding the quotient.

$$\times \quad 8\frac{1}{3} \div 15 = \frac{25}{3} \div 15 = 15 \times \frac{3}{25} = \frac{45}{25} = \frac{9}{5} = 1\frac{4}{5}$$

Evaluate the expression. Write the answer in simplest form.

14.  $4\frac{1}{5} \div 2\frac{1}{10} - \frac{1}{2}$

15.  $10\frac{1}{8} \div 3\frac{1}{8} + \frac{4}{5}$

16.  $2\frac{1}{6} \div 3 + 5\frac{1}{2}$

17.  $4\frac{3}{8} \div \frac{5}{16} \times \frac{3}{4}$

18.  $2\frac{3}{7} \div \frac{2}{3} \times \frac{3}{4}$

19.  $5\frac{1}{3} + 2\frac{7}{12} \div \frac{3}{4}$

20.  $9\frac{1}{3} \times 4\frac{1}{2} + 3\frac{2}{5}$

21.  $4\frac{1}{9} \times 3\frac{2}{3} \div 1\frac{2}{9}$

22.  $6\frac{3}{4} \div \left(2\frac{3}{5} \times 1\frac{2}{13}\right)$

23. How many  $3\frac{3}{4}$ -inch wires can be cut from a spool of wire that is 100 inches long? Will there be any wire left over? If so, how much?

24. A bag of fertilizer that weighs  $18\frac{3}{4}$  pounds can cover 5000 square feet. How many pounds of fertilizer will be needed to cover 27,000 square feet? How many bags of fertilizer are needed? Explain how you found your answer.