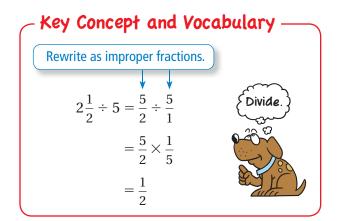
REVIEW: Dividing Mixed Numbers



Skill Examples

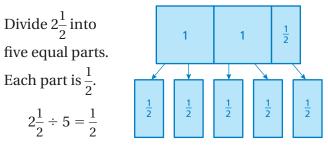
1.
$$5 \div 2\frac{1}{2} = \frac{5}{1} \div \frac{5}{2} = \frac{5}{1} \times \frac{2}{5} = 2$$

2.
$$3\frac{3}{4} \div 2\frac{1}{2} = \frac{15}{4} \div \frac{5}{2} = \frac{15}{4} \times \frac{2}{5} = \frac{3}{2} = 1\frac{1}{2}$$

- **3.** $4\frac{1}{6} \div 1\frac{2}{3} = \frac{25}{6} \div \frac{5}{3} = \frac{25}{6} \times \frac{3}{5} = \frac{5}{2} = 2\frac{1}{2}$
- **4.** $7\frac{1}{3} \div 11 = \frac{22}{3} \div \frac{11}{1} = \frac{22}{3} \times \frac{1}{11} = \frac{2}{3}$

Name _

Visual Model



Application Example

5. You need $2\frac{1}{2}$ inches of ribbon to make a Blue-Ribbon award. How many awards can you make with 35 inches of ribbon?

$$35 \div 2\frac{1}{2} = \frac{35}{1} \div \frac{5}{2} = \frac{35}{1} \times \frac{2}{5} = 14$$

• You can make 14 awards.

PRACTICE MAKES *PURR*-FECT[™]

Check your answers at BigIdeasMath.com. —

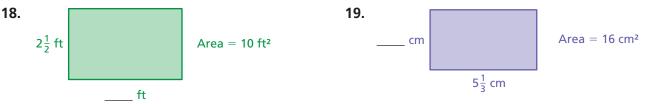
Find the quotient. Write your answer as a whole or mixed number in simplest form.

 6. $4\frac{1}{2} \div 9 =$ 7. $3\frac{3}{7} \div 8 =$ 8. $4\frac{2}{3} \div 7 =$ 9. $1\frac{7}{9} \div 4 =$

 10. $8 \div 1\frac{1}{3} =$ 11. $32 \div 3\frac{1}{5} =$ 12. $11 \div 2\frac{3}{4} =$ 13. $9 \div 1\frac{1}{2} =$

 14. $5\frac{1}{2} \div \frac{1}{2} =$ 15. $\frac{1}{2} \div 1\frac{1}{2} =$ 16. $1\frac{1}{4} \div 1\frac{1}{4} =$ 17. $3\frac{1}{2} \div 1\frac{1}{3} =$

Find the missing dimension.



- **20. RED RIBBONS** You need $3\frac{1}{2}$ inches of ribbon to make a Red-Ribbon award. How many awards can you make with 35 inches of ribbon?
- **21.** SHIPPING You are stacking books into a shipping box that is 15 inches high. Each book is $1\frac{1}{4}$ inches thick. How many books can you fit in a stack?