

Homework

Find each product by first rewriting each mixed number as a fraction.

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

2. $1\frac{7}{10} \cdot 5 =$ _____

3. $2\frac{2}{3} \cdot 4\frac{1}{5} =$ _____

4. $5\frac{1}{3} \cdot \frac{3}{8} =$ _____

5. $\frac{5}{9} \cdot 1\frac{2}{5} =$ _____

6. $12 \cdot 2\frac{3}{4} =$ _____

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

8. $\frac{1}{9} \cdot 3\frac{9}{10} =$ _____

Solve.

Show your work.

9. The bottom of Zeyda's jewelry box is a rectangle with length $5\frac{3}{8}$ inches and width $3\frac{1}{4}$ inches. What is the area of the bottom of the jewelry box?

10. The Patel family went apple picking. The number of red apples they picked was $2\frac{2}{9}$ times the number of green apples they picked. If they picked 45 green apples, how many red apples did they pick?

11. The art museum is $8\frac{1}{2}$ miles from Alison's house. Alison has ridden her bike $\frac{2}{3}$ of the way there so far. How far has she gone?

Remembering

Add.

1. $\frac{3}{8} + \frac{1}{6}$

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

3. $\frac{5}{6} + \frac{1}{8}$

4. $\frac{1}{3} + \frac{2}{7}$

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

6. $\frac{4}{5} + \frac{1}{10}$

Use the Commutative Property to solve for n .

7. $55,207 + 87,331 = 87,331 + n$

$n = \underline{\hspace{2cm}}$

8. $48.76 + 20.08 = 20.08 + n$

$n = \underline{\hspace{2cm}}$

Multiply. Simplify first if you can.

9. $\frac{2}{3} \cdot \frac{3}{4} = \underline{\hspace{2cm}}$

10. $\frac{7}{10} \cdot \frac{6}{7} = \underline{\hspace{2cm}}$

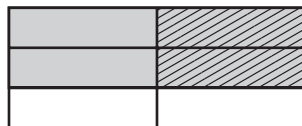
11. $\frac{3}{5} \cdot \frac{5}{6} = \underline{\hspace{2cm}}$

12. $\frac{5}{6} \cdot \frac{12}{25} = \underline{\hspace{2cm}}$

13. $\frac{1}{2} \cdot \frac{4}{7} = \underline{\hspace{2cm}}$

14. $\frac{2}{9} \cdot \frac{3}{8} = \underline{\hspace{2cm}}$

15. **Stretch Your Thinking** Complete the mixed number equation that is represented by the area model.



$$\frac{1}{2} \cdot \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$