

Multiply Mixed Numbers

Guided Practice

Multiply. Write in simplest form. (Examples 1–3)

$$1. \frac{1}{2} \times 2\frac{3}{8} = \underline{\hspace{2cm}}$$

Show your work.

$$2. 1\frac{3}{4} \times 2\frac{4}{5} = \underline{\hspace{2cm}}$$

$$3. 1\frac{2}{3} \times 2\frac{4}{7} = \underline{\hspace{2cm}}$$

4. Melanie is training for a track meet. She ran $2\frac{1}{4}$ miles 5 times this week. How far did Melanie run this week?

(Examples 4 and 5)

Independent Practice

Multiply. Write in simplest form. (Examples 1–3)

$$1. \frac{1}{2} \times 2\frac{1}{3} = \underline{\hspace{2cm}}$$

Show your work.

$$2. 1\frac{7}{8} \times \frac{4}{5} = \underline{\hspace{2cm}}$$

$$3. \frac{7}{8} \times 3\frac{1}{4} = \underline{\hspace{2cm}}$$

$$4. 1\frac{2}{3} \times 1\frac{1}{4} = \underline{\hspace{2cm}}$$

$$5. 3\frac{3}{4} \times 2\frac{2}{5} = \underline{\hspace{2cm}}$$

$$6. 6\frac{2}{3} \times 3\frac{3}{10} = \underline{\hspace{2cm}}$$

7. A carp can travel at a speed of $3\frac{7}{10}$ miles per hour. At this rate, how far can a carp travel in $2\frac{1}{2}$ hours? (Example 4)
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8. Juliette is making fruit salad. She purchased $9\frac{2}{3}$ ounces each of 6 different fruits. How many ounces of fruit did she purchase? (Example 5)
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9. A waffle recipe calls for $2\frac{1}{4}$ cups of flour. If Chun wants to make $1\frac{1}{2}$ times the recipe, how much flour does he need? (Example 4)
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10. **CCSS Model with Mathematics** Use the formula $d = rt$ to find the distance d a long-distance runner can run at a rate r of $9\frac{1}{2}$ miles per hour for time t of $1\frac{3}{4}$ hours.
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Multiply. Write in simplest form.

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

13. $\frac{1}{7} \times 5\frac{5}{6} \times 1\frac{1}{4} =$



Standardized Test Practice

16. Which number when multiplied by $\frac{3}{4}$ gives a product between $\frac{3}{4}$ and 1?

(A) 0

(C) $\frac{3}{4}$

(B) $\frac{1}{4}$

(D) $1\frac{1}{4}$

20. $3\frac{1}{5} \times 3\frac{1}{6} =$

21. $4\frac{1}{2} \times 2\frac{5}{6} =$

22. $3\frac{3}{5} \times 5\frac{5}{12} =$

23. **CCSS Model with Mathematics** A reproduction of Claude Monet's *Water-Lilies* has dimensions $34\frac{1}{2}$ inches by $36\frac{1}{2}$ inches. Find the area of the painting.
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