

Fractions: Skill 5 - 14D

Multiply Mixed Numbers

Test question 14D. Multiply: $2\frac{1}{3} \times 2\frac{1}{2}$ Write the answer in simplest form.

Step 1	Step 2	Step 3
Rename the mixed numbers as improper fractions. $2\frac{1}{3} \times 2\frac{1}{2} = \frac{7}{3} \times \frac{5}{2}$	Multiply. $\frac{7}{3} \times \frac{5}{2} = \frac{7 \times 5}{3 \times 2} = \frac{35}{6}$	Write in simplest form as a mixed number. $\frac{35}{6} = 5\frac{5}{6}$

Example: Multiply. $1\frac{1}{5} \times 2\frac{2}{9}$		
Step 1	Step 2	Step 3
Rename the mixed numbers as improper fractions. $1\frac{1}{5} \times 2\frac{2}{9} = \frac{6}{5} \times \frac{20}{9}$	Find a numerator and a denominator with common factors. $\begin{array}{r} 2 \quad 4 \\ \cancel{6} \times \cancel{20} \\ \hline \cancel{5} \times \cancel{9} \\ 1 \quad 3 \end{array}$ Divide 6 and 9 by their GCF. Divide 20 and 5 by their GCF.	Write in simplest form as a mixed number. $\frac{8}{3} = 2\frac{2}{3}$

Directions: Multiply. Write the answer in simplest form.

1. $1\frac{1}{2} \times 1\frac{1}{4}$
2. $1\frac{1}{6} \times 2\frac{1}{2}$
3. $2\frac{1}{4} \times 1\frac{2}{3}$
4. $1\frac{1}{5} \times 2\frac{1}{3}$

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Multiply Mixed Numbers**Directions:** Multiply. Write the answer in simplest form.

5. $2\frac{1}{4} \times 1\frac{1}{2}$

6. $2\frac{1}{4} \times 2\frac{1}{3}$

7. $1\frac{1}{5} \times 2\frac{2}{3}$

8. $2\frac{2}{5} \times 2\frac{5}{8}$

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

10. $3\frac{3}{4} \times 1\frac{4}{5}$

11. $2\frac{2}{5} \times 3\frac{1}{8}$

12. $1\frac{1}{3} \times 1\frac{3}{4}$

13. $1\frac{3}{5} \times 2\frac{1}{3}$

14. $2\frac{1}{2} \times 1\frac{1}{7}$

15. $2\frac{1}{2} \times 1\frac{1}{3}$

Fractions: Skill 5 - 14D

Multiply Mixed Numbers**Directions:** Multiply. Write the answer in simplest form.

16. $4\frac{2}{3} \times 1\frac{1}{7}$

17. $4\frac{1}{2} \times 1\frac{2}{3}$

18. $5\frac{1}{3} \times 2\frac{1}{12}$

19. $1\frac{2}{5} \times 1\frac{4}{5}$

20. $1\frac{1}{3} \times 4\frac{1}{8}$

21. $3\frac{4}{7} \times 2\frac{4}{5}$

22. $1\frac{1}{6} \times 4\frac{2}{3}$

23. $3\frac{1}{3} \times 1\frac{3}{12}$

24. $1\frac{1}{5} \times 2\frac{5}{8}$

25. $1\frac{3}{16} \times 2\frac{4}{10}$

26. $4\frac{2}{3} \times 2\frac{3}{7}$

Answers: Skill 14D, Grade 5

1. $1\frac{7}{8}$

2. $2\frac{11}{12}$

3. $3\frac{3}{4}$

4. $2\frac{4}{5}$

5. $3\frac{3}{8}$

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

7. $3\frac{1}{5}$

8. $6\frac{3}{10}$

9. $2\frac{4}{5}$

10. $6\frac{3}{4}$

11. $7\frac{1}{2}$

12. $2\frac{1}{3}$

13. $3\frac{11}{15}$

14. $2\frac{6}{7}$

15. $3\frac{1}{3}$

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

17. $7\frac{1}{2}$

18. $11\frac{1}{9}$

19. $2\frac{13}{25}$

20. $5\frac{1}{2}$

21. 10

22. $5\frac{4}{9}$

23. $4\frac{1}{6}$

24. $3\frac{3}{20}$

25. $2\frac{17}{20}$

26. $11\frac{1}{3}$

27. $6\frac{3}{10}$

28. $2\frac{7}{16}$

29. $4\frac{19}{20}$

30. 4