

Fractions: Skill 5 - 14B

Multiply a Fraction by a Fraction

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

Step 1	Step 2	Step 3
Multiply the numerators. $\frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3} = \frac{2}{6}$	Multiply the denominators. $\frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3} = \frac{2}{6}$	Simplify. $\frac{2}{6} = \frac{1}{3}$

Directions: Multiply. Write the answer in simplest form.

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

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

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

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

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

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

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

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

9. $\frac{3}{7} \times \frac{1}{3}$

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

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

12. $\frac{3}{5} \times \frac{1}{6}$

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

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

15. $\frac{3}{4} \times \frac{2}{3}$

Fractions: Skill 5 - 14B

Multiply a Fraction by a Fraction**Directions:** Multiply. Write the answer in simplest form.

16. $\frac{7}{8} \times \frac{1}{2}$

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

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

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

20. $\frac{1}{6} \times \frac{1}{9}$

21. $\frac{3}{8} \times \frac{5}{6}$

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

23. $\frac{2}{10} \times \frac{1}{2}$

24. $\frac{1}{12} \times \frac{1}{2}$

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

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

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

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

29. $\frac{1}{3} \times \frac{3}{9}$

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

31. $\frac{3}{8} \times \frac{4}{9}$

32. $\frac{2}{3} \times \frac{3}{10}$

33. $\frac{1}{9} \times \frac{1}{9}$

Answers: Skill 14B, Grade 5

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

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

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

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

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

6. $\frac{1}{9}$

7. $\frac{2}{9}$

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

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

10. $\frac{2}{15}$

11. $\frac{1}{24}$

12. $\frac{1}{10}$

13. $\frac{4}{15}$

14. $\frac{1}{10}$

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

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

17. $\frac{3}{10}$

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

19. $\frac{1}{4}$

20. $\frac{1}{54}$

21. $\frac{5}{16}$

22. $\frac{9}{16}$

23. $\frac{1}{10}$

24. $\frac{1}{24}$

25. $\frac{1}{4}$

26. $\frac{1}{12}$

27. $\frac{1}{9}$

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

29. $\frac{1}{9}$

30. $\frac{1}{5}$

31. $\frac{1}{6}$

32. $\frac{1}{5}$

33. $\frac{1}{81}$