

Multiplying Rational Expressions  
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Multiply the following rational expressions. Simplify. Answers

1.  $\frac{2}{1-a^2} \cdot \frac{1-a}{3}$

1.  $\frac{2}{3(1+a)}$

2.  $\frac{c+d}{15} \cdot \frac{9}{c+d}$

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

3.  $\frac{u+v}{5} \cdot \frac{2}{v+u}$

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

4.  $\frac{4-w^2}{14} \cdot \frac{7}{2+w}$

4.  $\frac{2-w}{2}$

5.  $\frac{2p+2q}{5} \cdot \frac{10}{p+q}$

5. 4

6.  $\frac{2b+14}{6b} \cdot \frac{9b^2}{b^2+7b}$

6. 1

7.  $\frac{t^2+2t+1}{st^2} \cdot \frac{s}{t+1}$

7.  $\frac{t+1}{t^2}$

8.  $\frac{9m^2-1}{6m+2} \cdot \frac{4}{3m-1}$

8. 2

9.  $\frac{c^2+5c+4}{c-4} \cdot \frac{c+5}{c^2+6c+5}$

9.  $\frac{c+4}{c-4}$

10.  $\frac{a^2+5ab+4b^2}{ab+4b^2} \cdot \frac{a^2+5ab}{a^2+6ab+5b^2}$

10.  $\frac{a}{b}$

Please visit the Learning Lab for further assistance.