

## Bruchterme-B4 (Multiplizieren und Dividieren)

Name \_\_\_\_\_ Datum \_\_\_\_\_

**Vereinfache!**

1)  $\frac{7}{9p^2} \div \frac{8}{7p^3}$

2)  $\frac{9n}{2n^3} \div \frac{8n^4}{8}$

3)  $\frac{6}{2m} \cdot \frac{5m^3}{4m^4}$

4)  $\frac{8}{4x} \cdot \frac{10x^2}{9}$

5)  $\frac{10}{7} \cdot \frac{3}{2b^2}$

6)  $\frac{6}{6(b+6)} \div \frac{1}{3(b+6)}$

7)  $\frac{x-9}{4} \div \frac{6x^2(x-9)}{4(x+2)}$

8)  $\frac{3}{3(5r-2)} \cdot \frac{7(5r-2)}{10r^2}$

9)  $\frac{x-5}{(x-6)(x-5)} \div \frac{1}{(x-5)(x-6)}$

10)  $\frac{5}{n+10} \cdot \frac{6n^2(n+10)}{6n^2(n+5)}$

11)  $\frac{b-8}{-b^2+16b-64} \div \frac{1}{10b^3-80b^2}$

12)  $\frac{4r}{r-10} \div \frac{6}{6r-60}$

13)  $\frac{n^2-11n+18}{n^2+4n-12} \div \frac{n-9}{n-3}$

14)  $\frac{m-9}{m^2-5m-36} \div \frac{1}{m-7}$

15)  $\frac{1}{x-8} \div \frac{3}{x^2-16x+64}$

16)  $\frac{28v^2+36v}{7} \cdot \frac{10}{70v+90}$

17)  $\frac{3x}{x^2-12x+20} \cdot \frac{4x-40}{4}$

18)  $\frac{6}{8n+16} \div \frac{6}{8n-64}$

19)  $\frac{10x^2}{3} \div \frac{7x^2+42x}{7x}$

20)  $\frac{a^2-7a-30}{a+3} \cdot \frac{1}{a-10}$

21)  $\frac{n+2}{6n} \div \frac{n+2}{6n^2+60n}$

22)  $\frac{4}{42x+42} \cdot \frac{28x+28}{4}$

23)  $\frac{5}{28k+24} \cdot \frac{28k+24}{k+9}$

24)  $\frac{8n-24}{14n^3} \div \frac{8n-72}{n-9}$