

Algebraiska bråk

Förenkla bråken

1 a) $b \cdot \frac{3}{b} = 3$

b) $a \cdot \frac{4}{a^2} = \frac{4}{a}$

2 a) $b^2 \cdot \frac{4}{b} = 4b$

b) $5a \cdot \frac{b}{10a} = \frac{b}{2}$

3 a) $x \cdot \frac{y}{x} = y$

b) $y^2 \cdot \frac{x}{y} = xy$

4 a) $\frac{x}{10} \cdot \frac{5}{x^2} = \frac{1}{2x}$

b) $\frac{4}{x} \cdot \frac{x^2}{12y} = \frac{1}{3y}$

5 a) $\frac{6}{5y} \cdot \frac{15y}{18} = 1$

b) $\frac{8x^2}{15} \cdot \frac{3}{4xy} = \frac{2x}{5y}$

6 a) $\frac{6b}{4a} \cdot \frac{14a^2}{27b^2} = \frac{7a}{9b}$

b) $\frac{24a^2}{10b} \cdot \frac{15}{9a^3} = \frac{4}{ab}$

7 a) $\frac{3ab}{4a^2} \cdot \frac{8a}{5b^2} = \frac{6}{5b}$

b) $\frac{5x^2y}{8y} \cdot \frac{2xy}{10y^2} = \frac{x^3}{8y}$

8 $\frac{3a^2}{8} \cdot \frac{b}{9} \cdot \frac{4a}{b^2} = \frac{a^3}{6b}$

9 $\frac{4xy}{y^2} \cdot \frac{3}{x^2} \cdot \frac{xy}{2} = 6$

10 $\frac{5ab}{6} \cdot \frac{3a^2}{10b} \cdot \frac{4}{ab} = \frac{a^2}{b}$