

$$1. \quad \frac{28a}{55b} \cdot \frac{44b^2}{49a^2} = \underline{\underline{\frac{16b}{35a}}}$$

$$2. \quad \frac{27xyz}{28uvw} \cdot \frac{35uv}{81xy} = \underline{\underline{\frac{5z}{12w}}}$$

$$3. \quad \frac{132mn}{17pq} \cdot \frac{51pq}{30m} = \underline{\underline{\frac{66n}{5}}}$$

$$4. \quad \frac{64ab^2}{81c^2} \cdot \frac{45c}{56a^2b} = \underline{\underline{\frac{40b}{63ac}}}$$

$$5. \quad \frac{15x^2y}{7z} \cdot \frac{63z^2}{25xy} = \underline{\underline{\frac{27xz}{5}}}$$

$$6. \quad \frac{125a^2b^2}{56cd} \cdot \frac{49c^2d^2}{25ab^2} = \underline{\underline{\frac{35acd}{8}}}$$

$$7. \quad \frac{3a}{2b} \cdot \frac{4b}{5a} \cdot \frac{25c}{9d} = \underline{\underline{\frac{10c}{3d}}}$$

$$8. \quad \frac{18a}{65b} \cdot \frac{39b}{8c} \cdot \frac{11c}{9a} = \underline{\underline{\frac{33}{20}}}$$

$$9. \quad \frac{12m}{25n} \cdot \frac{15n}{16p} \cdot \frac{5p}{3q} = \underline{\underline{\frac{3m}{4q}}}$$

$$10. \quad x^2 \cdot \frac{7}{3y} = \underline{\underline{\frac{7x^2}{3y}}}$$

$$11. \quad (-4t) \cdot \frac{3u}{16t^2} = \frac{-4t \cdot 3u}{16t^2} = \underline{\underline{-\frac{3u}{4t}}}$$

$$12. \quad \left(-\frac{10}{3m}\right) \cdot 2m = -\frac{10 \cdot 2m}{3m} = \underline{\underline{-\frac{20}{3}}}$$

$$13. \quad 16x^2 \cdot \frac{x+1}{8x^2} = \frac{16x^2(x+1)}{8x^2} = \underline{\underline{2(x+1)}}$$

14. $11ab \cdot \left(-\frac{7}{ab}\right) = -\frac{11ab \cdot 7}{ab} = \underline{\underline{-77}}$
15. $\frac{4r}{11s} \cdot (-s) = -\frac{4r \cdot s}{11s} = \underline{\underline{-\frac{4r}{11}}}$
16. $\frac{3a}{5b} : \frac{9ab}{25c} = \frac{3a \cdot 25c}{5b \cdot 9ab} = \underline{\underline{\frac{5c}{3b^2}}}$
17. $\frac{12xy}{17z} : \frac{36x}{85z} = \frac{12xy \cdot 85z}{17z \cdot 36x} = \underline{\underline{\frac{5y}{3}}}$
18. $\frac{t}{s} : \frac{t}{2s} = \frac{t \cdot 2s}{s \cdot t} = \underline{\underline{2}}$
19. $\frac{28ab}{19cd} : \frac{14a^2b}{57c^2d} = \frac{28ab \cdot 57c^2d}{19cd \cdot 14a^2b} = \underline{\underline{\frac{6c}{a}}}$
20. $\frac{a}{b} \cdot \frac{b}{c} \cdot \frac{c}{d} \cdot \frac{d}{e} \cdot \frac{e}{f} = \underline{\underline{\frac{a}{f}}}$
21. $1 : \frac{a}{b} = \frac{1 \cdot b}{1 \cdot a} = \underline{\underline{\frac{b}{a}}}$
22. $\frac{x+1}{x} : \frac{1}{x} = \frac{(x+1) \cdot x}{x \cdot 1} = \underline{\underline{x+1}}$
23. $\frac{3rs}{5t} \cdot \frac{5t}{3r+s} = \frac{3rs \cdot 5t}{5t \cdot (3r+s)} = \underline{\underline{\frac{3rs}{(3r+s)}}}$
24. $a^2 \cdot \frac{a}{b} \cdot \frac{b}{d} = \frac{a^2 \cdot a \cdot b}{b \cdot d} = \underline{\underline{\frac{a^3}{d}}}$
25. $a^3 : \frac{a^2}{b} = \frac{a^3 \cdot b}{1 \cdot a^2} = \underline{\underline{ab}}$
26. $\frac{(v+1)s}{t^2} \cdot \frac{(t+1)t}{rs} = \underline{\underline{\frac{(v+1)(t+1)}{rt}}}$
27. $\frac{x}{y} \cdot \frac{y^2}{x^2} \cdot xy^2 = \frac{x \cdot y^2 \cdot xy^2}{y \cdot x^2} = \underline{\underline{y^3}}$