Simplifying Algebraic Fractions

1. $\frac{3}{12}$

2. $\frac{3x}{12}$

3. $\frac{3}{12x}$

4. $\frac{12x}{3}$

5. $\frac{12x}{6}$

6. $\frac{12x}{6x}$

7. $\frac{12xy}{6x}$

8. $\frac{6x}{12xy}$

9. $\frac{10x}{12xy}$

10. $\frac{10x}{12xy^{2}}$

11. $\frac{10xy}{12xy^{2}}$

12. $\frac{10x^{2}y}{12xy^{2}}$

13. $\frac{10x^{2}y^{2}}{12xy^{2}}$

14. $\frac{10x^{2}y^{3}}{12xy^{2}}$

15. $\frac{100x^{2}y^{4}}{120xy^{2}}$

16. $\frac{100x^{2}y^{4}}{xy^{2}}$

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16. $\frac{100x^{2}y^{4}}{xy^{2}}$

Simplifying Algebraic Fractions - ANSWERS

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

2. $\frac{x}{4}$

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

4. $4x$

5. $2x$

6. $2$

7. $2y$

8. $\frac{1}{2y}$

9. $\frac{5}{6y}$

10. $\frac{5}{6y^{2}}$

11. $\frac{5}{6y}$

12. $\frac{5x}{6y}$

13. $\frac{5x}{6}$

14. $\frac{5xy}{6}$

15. $\frac{5xy^{2}}{6}$

16. $100xy^{2}$

Simplifying Algebraic Fractions - ANSWERS

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

2. $\frac{x}{4}$

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

4. $4x$

5. $2x$

6. $2$

7. $2y$

8. $\frac{1}{2y}$

9. $\frac{5}{6y}$

10. $\frac{5}{6y^{2}}$

11. $\frac{5}{6y}$

12. $\frac{5x}{6y}$

13. $\frac{5x}{6}$

14. $\frac{5xy}{6}$

15. $\frac{5xy^{2}}{6}$

16. $100xy^{2}$