

Fill in the Blanks

Simplifying Algebraic Fractions

Question	Write Each Term Separately	Simplify Each Variable	Answer
$\frac{10a^2}{2a}$	$\frac{10 \times a^2}{2 \times a}$	$5 \times a$	$5a$
$\frac{9b}{3b}$	$\frac{9 \times b}{3 \times b}$		
$\frac{2a}{4b}$	$\frac{2 \times a}{4 \times b}$		
$\frac{12a^3}{3a}$			
$\frac{5ab}{a}$			
$\frac{15a^2}{5ab}$			
$\frac{24ab}{4bc}$	$\frac{24 \times a \times b}{4 \times b \times c}$		
$\frac{6ab^2}{3a^2b}$			

Question	Write Each Term Separately	Simplify Each Variable	Answer
$\frac{4a^7}{2a^3}$	$\frac{4 \times a^7}{2 \times a^3}$	$2 \times a^4$	
$\frac{16b^5}{2b^2}$			
$\frac{2a^9}{10a^2}$			
$\frac{5a^6}{2a}$			
$\frac{25ab^7}{5b^2}$	$\frac{25 \times a \times b^7}{5 \times b^2}$		
$\frac{14a^4b^8}{2a^3b^6}$			
$\frac{9ab^5}{3a^2b^3}$			
$\frac{15a^4b}{25a^2b^2}$			