

## MATHS WORKSHEETS- ALGEBRA- MULTIPLICATION AND DIVISION OF PRONUMERALS

Simplify the following.

1.	$5a \times 5a \times 3c$	=	
2.	$(-4m^3n^2) \times (-6m^2n^2)$	=	
3.	$4x \times 5y \times 2z$	=	
4.	$(-4x^3y^2) \times (-2y^2) \times (-2y) \times (-2x)$	=	
5.	$(-2ab) \times (-5ab) \times (-2ab)$	=	
6.	$(-36mn) \div (-2m^2)$	=	
7.	$(-15p^2qr^2) \div (-5pr)$	=	
8.	$12a^2b^2 \div (-6ab^2)$	=	
9.	$(-27m^2n) \div (3m^2n)$	=	
10.	$(-64x^2y) \div (-8x)$	=	
11.	$\frac{(-2m) \times (-3) \times (-5m)}{(-6m) \times (-5)}$	=	
12.	$\frac{(-2a) \times 5b \times (-15ab)}{3a \times (-5b)}$	=	
13.	$\frac{8x \times 9y}{12xy}$	=	
14.	$\frac{3a^3 \times 8b^2}{6a^3 \times 2b^2}$	=	
15.	$\frac{(-2a) \times (-3) \times (-4b)}{2a \times (-4)}$	=	
16.	$\frac{(5a)^2 \times (3b)^2}{5ab}$	=	
17.	$\frac{(-2ab) \times (-3b) \times 4ab}{(-2b) \times 3a}$	=	
18.	$\frac{(3ab)^2 \times (ab)^2}{3a^3b}$	=	
19.	$\frac{(3ab) \times (4b) \times 2a}{(-2b) \times 4a}$	=	
20.	$\frac{6a^3 \div 2a}{56a^3 \div 8a^2}$	=	

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### Answer Key:

1.  $75a^2c$
2.  $24m^5n^4$
3.  $40xyz$
4.  $32x^4y^5$
5.  $-20a^3b^3$
6.  $18m^{-1}n$
7.  $3pqr$
8.  $-2a$
9.  $-9$
10.  $8xy$
11.  $-m$
12.  $-10ab$
13.  $6$
14.  $2$
15.  $3b$
16.  $45ab$
17.  $-4ab^2$
18.  $3ab^3$
19.  $-3ab$
20.  $(3a)/7$