

## MATHS WORKSHEETS- ALGEBRA- WRITE IN A SHORTENED FORM

Write the following in a shortened form.

1	$7 \times a \times a \times b \times b \times c \times c \times c =$	
2	$24 \times a \times a \times a \times b =$	
3	$5 \times (m + 7) =$	
4	$6 \times (y - 9) =$	
5	$9 \times m \times (n + 4) =$	
6	$8 \times 2 \times (m - 4) =$	
7	$a \times b \times (m + 8) =$	
8	$7 \times (5 \times a + 4) =$	
9	$23 + (8 \times 2 + 6 \times b) =$	
10	$8 \times (4 \times a - 3 \times b) =$	
11	$(7y + 6) \times (a + 8) =$	
12	$(5b + 3) \times (7a - 4) =$	
13	$a \times a \times a \times 9 \times a =$	
14	$8 \times a \times a \times a \times a \times 2 =$	
15	$a \times a \times b \times b \times a \times b \times a =$	
16	$(5 \times a + 7) \times (5 \times b - 3) =$	
17	$(a + 7) \times (2a + 8) =$	
18	$(a - 9) \times (7a - 5) =$	
19	$(5m + 3) \times (4m - 7) =$	
20	$22 \times (13 \times m - 7 \times n) =$	

**Answer Key:**

1	$7a^2b^2c^3$
2	$24a^3b$
3	$5(m + 7)$
4	$6(y - 9)$
5	$9m(n + 4)$
6	$16(m - 4)$
7	$ab(m + 8)$
8	$7(5a + 4)$
9	$23 + (16 + 6b)$
10	$8(4a - 3b)$
11	$(7y + 6)(a + 8)$
12	$(5b + 3)(7a - 4)$
13	$9a^4$
14	$16a^4$
15	$a^4b^3$
16	$(5a + 7)(5b - 3)$
17	$(a + 7)(2a + 8)$
18	$(a - 9)(7a - 5)$
19	$(5m + 3)(4m - 7)$
20	$22(13m - 7n)$