

MATHS WORKSHEETS- ALGEBRA- COLLECTING LIKE TERMS

Collect like terms to simplify the following questions.

1	$m + m + m + m + m + m + m + m + m + m + m =$	
2	$x + x + x + y + x + y + x + y =$	
3	$m + n + m + m + n + n + n + m + n + m + n =$	
4	$l + l + l + l + m + m + m + m + m =$	
5	$2a - a + 6b + 3a + 7b + 11 + 6a =$	
6	$10q - 2q - q + 5r - 3r =$	
7	$5a + 5b + 6b - 3a + a =$	
8	$12c + 4d - 2c - 3d + 5 =$	
9	$6n + 2m + 5m + 3n + n + 6n + 2m + m =$	
10	$4x + 3x + x + 2y + 3x + 2 + 3y + 8 =$	
11	$19a - 2b - 5b + 15a + 8b =$	
12	$8x + y + 5y - 2y - 3x =$	
13	$12a + 8b - 3a + 5b + 3a + 14 =$	
14	$7m + 3m - 6n + 4n - 2m + 7n =$	
15	$9y - 2y + 4x + 2y + 2y - 3x + 9 =$	
16	$5a + 6ab - 3ab + 5ab + 7ab - 6ab + 2b =$	
17	$7g - 7h - g - 4g + 12 =$	
18	$9a + 3b - 2b - 4a + 8 + 4 =$	
19	$12x - 3y - 8 + 5y + 8y - 3x + 6 + 7z =$	
20	$8c - 2d + 5 - 2c + 8d + 8 =$	

Answer Key:

1	$11m$
2	$5x + 3y$
3	$5m + 6n$
4	$4l + 5m$
5	$10a + 13b + 11$
6	$7q + 2r$
7	$3a + 11b$
8	$10c + d + 5$
9	$10m + 16n$
10	$11x + 5y + 8$
11	$34a + b$
12	$4y + 5x$
13	$12a + 13b + 14$
14	$8m + 5n$
15	$11y + x + 9$
16	$9ab + 5a + 2b$
17	$2g - 7h + 12$
18	$5a + b + 12$
19	$9x + 10y + 7z - 2$
20	$6c + 6d + 13$