Brilliance Tuition Centre, Redbank Plains

Solve the following.

1	Find the sum of $8y$ and $11x$	
2	Find the product of $9a$ and $3b$	
3	Find the product of $7a$ and $2c$.	
4	Find the difference of $9a$ and $6a$	
5	Find the average (mean) of $7b, 9b$ and $5b$	
6	What is the product of 0 and $13m$	
7	Adam is x years now. Calculate his age after 15 years.	
8	Find x. $x = 15 - 4x$	
9	Find an expression for 12 more than the sum of $7x$ and 11.	
10	What is the area of a square if one of its lengths is x metres?	
11	What is the perimeter of a square if one of its lengths is x m?	
12	If the sum of four m is equal to 12, what is the value of m?	
13	Add $15a$ and 7 and then decrease the answer by $3a$	
14	Find the next consecutive integer of $13m$	
15	Find the number $(m - 4)$ less than $2m + 3n$	

MATHS WORKSHEETS- ALGEBRA- PROBLEM SOLVING

16	Write the algebraic expression for the following.
	  1. Seven less than $5x$
	  2. Nine less than twice x	

17	Ram has 24 oranges. He ate x oranges. How many are left?	
18	Calculate the volume of a cube whose side length is $3y$ cm.	
19	Find the perimeter of a rectangular swimming pool if its length is x m and width is y m.	
20	Calculate the area of a rectangle if its length is x m and width is y m.	

Answer Key:

1	$11x + 8y$
2	$27ab$
3	$14ac$
4	$3a$
5	$7b$
6	0
7	$15 + x$
8	3
9	$7x + 23$
10	$x^2\, m^2$
11	$4x\, m$
12	3
13	$12a + 7$
14	$13m + 1$
15	$m + 3n + 4$
16	1. $5x - 7$ 2. $2x - 9$
17	$24 - x$
18	$27y^3\, cm^3$
19	$2x + 2y\, m = 2(x + y)m$
20	$xy\, m^2$