

<u>Q6.</u>	<u>Q6.</u> Which of the following represents an <b>equation</b> ?							
	4x + 2 = 10	10	4x + 2	x				
	A	B	C	D				
<u>Q7.</u>	Which of the following is a <b>pronumeral</b> ?							
	< A	4 B	× c	a D				
<u>Q8</u> .	<u>Q8</u> . Which is the <b>variable</b> in the following equation?							
	2x + 3 =							
	2	x	+	3				
	Α	В	C	D				
<u>Q9</u> .	Which of the following is a <b>constant</b> ?							
	a <b>A</b>	5 <i>y</i> B	× C	7 D				
<u>Q10</u> .	. What is the <b>coefficient</b> in the following equation?							
		9 <i>x</i> -	- 3 =					
	9	x	_	3				
	Α	В	C	D				
<u>Q11</u> .	Which algebraic exp	nich algebraic expression represents the following situation?						
	'Simon has $x$ fish in his aquarium. He buys 10 more fish. How many fish does he have now?'							
	<i>x</i> + 10	10 <i>x</i>	x - 10	$\frac{x}{1}$				
	Α	В	С	10 <b>D</b>				
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<u>Q12.</u>	Which algebraic expression represents the following situation?								
	'The sum of $x$ and 5 is multiplied by 3.'								
	$\begin{array}{c} x + 5 \times 3 \\ \mathbf{A} \end{array}$	3x + 5 <b>B</b>	3(x+5) <b>C</b>	$5 - x \times 3$ D					
<u>Q13.</u>	Which is the correct expression for the following case?								
	'y is equal to the sum of x and 12.'								
	y = x + 12	y + 12 = x	y = 12x	$y = \frac{x}{12}$					
	Α	В	C	D					
<u>Q14.</u> The length of a rectangular vegetable garden is 4 m. The perimeter of wire fencing needed to enclose this garden is 13 m. If w represents the width (in m) of the vegetable garden, the equation that can be formed is:									
	w + 4 = 13 A	w + 8 = 13 <b>B</b>	2w = 8 = 13 <b>C</b>	2w + 8 = 13 D					
<u>Q15.</u>	Which expression best matches the following instruction?								
	'Choose a number and multiply it by three, then subtract any other number.'								
	3a - 1 <b>A</b>	3n - y B	3 <i>m</i> – 3 <b>C</b>	3 <i>t</i> D					
<u>Q16.</u>	6. Which of the following <u>cannot</u> be simplified?								
	6 <i>c</i> + 9 <i>c</i> <b>A</b>	3 <i>a</i> + 4 <i>b</i> <b>B</b>	12y + 3y - 4y <b>c</b>	7 <i>ab</i> + 2 <i>ba</i> <b>D</b>					
<u>Q17.</u> The simplified expression for $x + 4y + 6x$ is:									
	10 <i>xy</i> <b>A</b>	$6x^2 + 4y$ <b>B</b>	7x + 4y <b>C</b>	Cannot be simplified. D					
<u>Q18.</u> Collect the like terms and simplify this algebraic expression $a + 4b + 3a - 3b$									
	$4a^2 + 7b^2$ <b>A</b>	$3a^2 + 7b$ <b>B</b>	4 <i>a</i> + 7 <i>b</i> <b>C</b>	4a + b D					

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<u>Q19.</u> The simplif	ied expression fo	$y^{2} + 2y - 3y$ is	:	
$y^2 - y$ A	7	$\frac{2y^2 - 3y}{\mathbf{B}}$	y C	$y^2 + 5y$ <b>D</b>
Q20. Simplify th	te expression $-x$	+2y - 3y		
x + 5y A	1	-x - y B	-x + 2y - 3y <b>c</b>	-y + x D
Q21. What is the	e following in exp	anded form?		
		2a(3	Ba-5b)	
2a × 2a A	ıb	a – 3b B	$5a^2 - 7ab$	$6a^2 - 10ab$ <b>D</b>
<u>Q22.</u> When expa	anded, $4(3m + 5)$	) is:		
7m + 6 A	9	17m B	12 <i>m</i> + 20 <b>C</b>	12 <i>m</i> + 5 <b>D</b>
Q23. When facto	orised, $4x + 28$ is	5:		
2(x + 1)	4)	4(2x+7) <b>B</b>	4(x + 7) C	4(x + 28) D
<u>Q24.</u> Simplify th	e following expre	ssion		
		$\frac{1}{2}x$ +	$-9+2x-\frac{3}{2}x$	
$11x - \frac{2}{4}$	$\frac{2x}{2}$	10 <i>x</i> <b>B</b>	$2x - \frac{2x}{2} + 9$	x + 9 D
Q25. The pool is If <i>w</i> repres find the ar	3 m longer than sents the width o rea is:	it is wide, as show f the pool (in m), t	vn in the diagram. the equation to	w + 3
$w^{2} + 3w$	w + w + 3 B	2w + 3 <b>c</b>	$w^2 + 3$ D	w + 3
		**END OF KNOW	LEDGE INDICATOR**	
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