Linear Equations Worksheet - 1

1. If 25 less than a number is 54,	then what is the number?
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a)	59	b)	69
c)	79	d)	89

2. Half of a number added to 25 is 40. Which one is the correct equation for the statement?

a)	$\frac{p}{2}$ + 40 = 25	b)	$\frac{p}{2}$ + 25 = 40
C)	$\frac{y}{25} + 2 = 40$	d)	None of these
3. Find the value of 'n' in 9 ($\frac{p}{2}$ – 5) + 12 = 12.			
a)	5	b)	10
c)	12	d)	None of these
4. If $\frac{2n}{3}$	$\frac{1}{2} - 2\frac{1}{2} = 3\frac{1}{2}$, find the value of n.		
a)	6	b)	8
c)	10	d)	9
5. Power of a variable in a linear equation is			
a)	0	b)	1
c)	2	d)	3
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6. To find the value of 'a', which number should be multiplied on either side of equation

	$\frac{2a}{3} = \frac{1}{3}$		
a)	$\frac{3}{2}$	b)	$\frac{1}{3}$
c)	$\frac{1}{2}$	d)	None of these

7. Breadth of a rectangle is 'b' cm. Length of the rectangle is 4 times longer than the breadth. What is the perimeter of the rectangle?

a)	12b cm	b)	10b cm
c)	(10 + 2b) cm	d)	(5 + b²) cm

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8. Number of girls in a class is 2 times the number of boys. Which of the following can not be the total number of students in the class?

a)	30	b)	36
c)	45	d)	50
9. Whi	ch of the following equations does not have a solution in	integer	s?
a)	a + 2 = 4	b)	a – 3 = 1
c)	3a – 2 = 3	d)	2 – a = 7
10. Wr	ite the algebraic expression, twice of 'p' is added to 'q' n	nultiplied	d by itself.
a)	3p + 2q	b)	2p + q ²
c)	$2(p + q^2)$	d)	2p + q
11. Julie travelled 5y km distance by car, 29 km by train and 15 km by bus. Find the total distance covered by Julie.			
a)	5y + 29 – 15	b)	4y + 29 – 15
c)	5y + 29 + 15	d)	5y - 29 + 15
12. Th	e equation and 2n – 2 = 4 have the same sol	ution.	
a)	n – 1 = 2	b)	n – 1 = 0
c)	n – 1 = 4	d)	n + 1 = 0
13. John's score in science is 25 more than two third of his score in mathematics. If his score in mathematics is 'y', then find the score in science.			
a)	$\frac{2y}{3}$ - 25	b)	$\frac{2y}{3}$ + 25
c)	$25 - \frac{2y}{3}$	d)	None of these
14. An algebraic expression, p – 32 can be written in statement form as			
a)	32 less than p	b)	p less than 32
c)	32 more than p	d)	none of these
15. Ram got 75 marks in English test. His friend Shyam got 5 marks more than Ram. How many marks did they get altogether?			
a)	150	b)	160

c) 155 d) 165

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