

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?

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|----------------------------|----------------------------|
| 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 $9\left(\frac{p}{2} - 5\right) + 12 = 12$.

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| a) 5 | b) 10 |
| c) 12 | d) None of these |

4. If $\frac{2n}{3} - 2\frac{1}{2} = 3\frac{1}{2}$, find the value of n.

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| a) 6 | b) 8 |
| c) 10 | d) 9 |

5. Power of a variable in a linear equation is _____.

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|------|------|
| a) 0 | b) 1 |
| c) 2 | d) 3 |

6. To find the value of 'a', which number should be multiplied on either side of equation

$$\frac{2a}{3} = \frac{1}{3}$$

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|------------------|------------------|
| 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?

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

