

Linear Equations Worksheet – 2

1. The number of boys in a class is 4 times the number of girls. Which of the following can be the total number of students in the class?

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|-------|-------|
| a) 17 | b) 45 |
| c) 52 | d) 56 |

2. If five times of a number is 75, then the number is _____.

- | | |
|-------|-------|
| a) 10 | b) 12 |
| c) 14 | d) 15 |

3. The equation for the statement 'one third of a number added to 25 is 60' is _____.

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|----------------------------|----------------------------|
| a) $\frac{p}{3} + 60 = 25$ | b) $\frac{p}{2} + 40 = 25$ |
| c) $\frac{p}{3} + 25 = 60$ | d) None of these |

4. Value of 'x' in $15\left(\frac{x}{2} - 40\right) + 5 = 5$ is equal to _____.

- | | |
|-------|-------|
| a) 80 | b) 70 |
| c) 60 | d) 50 |

5. When John multiplies a certain number by 25 and adds 75 to the product, he gets 600. Find the number.

- | | |
|-------|-------|
| a) 20 | b) 21 |
| c) 18 | d) 19 |

6. $\frac{p}{3} = \frac{20}{3}$, find the value of 'p'.

- | | |
|-------|------------------|
| a) 25 | b) 24 |
| c) 20 | d) None of these |

7. The breadth of a rectangle is 'n' cm and the length is 4 times that of breadth. What is the perimeter of the rectangle?

- | | |
|----------------|----------------|
| a) $2(n+b)$ cm | b) $10n$ cm |
| c) $12n$ cm | d) $25 + n$ cm |

8. Which of the following equation has $y = 4$ as a solution?

- | | |
|----------------|-----------------|
| a) $y + 2 = 7$ | b) $y - 2 = 6$ |
| c) $y + 2 = 6$ | d) $y + 3 = 10$ |

9. Which of the following equations does not have a solution in integers?

a) $p + 1 = 2$

b) $p - 5 = 8$

c) $1 - p = 5$

d) $2p + 2 = 3$

10. Julie got 75 marks in math test. Her friend Bobby got 'p' marks more than herself. How many marks did they get altogether?

a) $75p$

b) $150 + p$

c) $85p$

d) $150 - p$

11. If $\frac{2}{3}a + 5 = 15$, then the value of 'a' is _____.

a) -15

b) 15

c) -20

d) None of these

12. Mark had 'x' apples. He used 5 apples to prepare apple pie and gave 7 apples to his friend. Number of apples left with him is _____.

a) $x - 5$

c) $x - 10$

c) $x - 7$

d) $x - 12$

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

a) 0

b) 1

c) 2

d) 3

14. A symbol which can be given various numerical values is called a variable. Mark True / False.

a) True

b) False

15. A symbol which has a fixed value is known as literals. Mark True / False.

a) True

b) False