

**AMITY INTERNATIONAL SCHOOL , VASUNDHARA 6**  
**LIVE WORKSHEET – MCQ'S**  
**LINEAR EQUATION IN ONE VARIABLE(CLASS 8 )**

1. Which of the following is not a linear equation in one variable?
  - A.  $33z + 5 = 7$
  - B.  $33(x + y) = 5$
  - C.  $33x + 5 = 9$
  - D.  $33y + 5 = 6$
  
2. The solution of  $2x - 3 = 7$  is:
  - A. 5
  - B. 7
  - C. 12
  - D. 11
  
3. The solution of  $2y + 9 = 4$  is:
  - A.  $9/2$
  - B.  $4/9$
  - C.  $-2/5$
  - D.  $-5/2$
  
4. The perimeter of the rectangle is 20 cm. If the length of the rectangle is 6 cm, then its breadth will be:
  - A. 4 cm
  - B. 6 cm
  - C. 10 cm
  - D. 14 cm
  
5. The age of the father is three times the age of the son. If the age of the son is 15 years old, then the age of the father is:
  - A. 50 years
  - B. 55 years
  - C. 40 years
  - D. 45 years

6. The difference between two whole numbers is 66. The ratio of the two numbers is 2: 5. The two numbers are:

- A. 60 and 6
- B. 100 and 33
- C. 110 and 44
- D. 99 and 33

7. Three consecutive integers add up to 51. The integers are:

- A. 16,17,18
- B. 15,16,17
- C. 17,18,19
- D. 18,19,20

8. The solution for  $3m = 5m - (8/5)$  is:

- A.  $8/5$
- B.  $4/5$
- C.  $5/4$
- D.  $4/3$

9. The standard form of a linear equation in one variable x is :

- (a)  $ax + b = 0$
- (b)  $ax^2 + bx + c = 0$
- (c)  $ax^3 + bx^2 + cx + d = 0$
- (d)  $ax^4 + bx^3 + cx^2 + dx + e = 0$ .

10. The statement 'on adding 10 in a number, the number becomes 20' in the form of an equation is :

- (a)  $x - 10 = 20$
- (b)  $x + 10 = 20$
- (c)  $10x = 20$
- (d)  $x/10 = 20$ .

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