1. What will be the output of the given set of code?

1. **class** maths
2. {
3. **public** **int** length;
4. **public** **int** breadth;
5. **public** maths(**int** x, **int** y)
6. {
7. length = x;
8. breadth = y;
9. Console.WriteLine(x + y);
10. }
11. **public** maths(**double** x, **int** y)
12. {
13. length = (**int**)x;
14. breadth = y;
15. Console.WriteLine(x \* y);
16. }
17. }
18. **class** Program
19. {
20. **static** **void** Main(**string**[] args)
21. {
22. maths m = new maths(20, 40);
23. maths k = new maths(12.0, 12);
24. Console.ReadLine();
25. }
26. }

a) 60, 24  
b) 60, 0  
c) 60, 144  
d) 60, 144.0

Answer :c

2. What will be the output of the given set of code?

1. **class** maths
2. {
3. **public** **int** length;
4. **public** **int** breadth;
5. **public** maths(**int** x)
6. {
7. length = x + 1;
8. }
9. **public** maths(**int** x, **int** y)
10. {
11. length = x + 2;
12. }
13. }
14. **class** Program
15. {
16. **static** **void** Main(**string**[] args)
17. {
18. maths m = new maths(6);
19. maths k = new maths(6, 2);
20. Console.WriteLine(m.length);
21. Console.WriteLine(k.length);
22. Console.ReadLine();
23. }
24. }

a) 8, 8  
b) 0, 2  
c) 8, 10  
d) 7, 8

Answer :d

4. What will be the output of the given set of code?

1. **class** maths
2. {
3. **int** i;
4. **public** maths(**int** x)
5. {
6. i = x;
7. Console.WriteLine(" hello: ");
8. }
9. }
10. **class** maths1 : maths
11. {
12. **public** maths1(**int** x) :**base**(x)
13. {
14. Console.WriteLine("bye");
15. }
16. }
17. **class** Program
18. {
19. **static** **void** Main(**string**[] args)
20. {
21. maths1 k = new maths1(12);
22. Console.ReadLine();
23. }
24. }

a) hello bye  
b) 12 hello  
c) bye 12  
d) Compile time error

Answer :a