

10. Write a program to convert kilometres to miles. Test your program with different inputs.
11. Write a program to convert miles to kilometres. Test your program with different inputs.
12. Write a program to convert gallons to litres. Test your program with different inputs.
13. Write a program to convert litres to gallons. Test your program with different inputs.
14. Write a program to calculate the hypotenuse of a right-triangle when the other two sides are given.
15. A T-shirt costs \$x. Calculate the gst(7 %), pst(8 %) and the total cost. Figures should be rounded to 2 decimal places.
16. For each value of x, find the value of y.

	x	y	
(a)	123	y = ++x;	_____
(b)	2345	y = --x;	_____
(c)	1234	y = x++;	_____
(d)	2004	y = x--;	_____
(e)	120	y = ++x + x++;	_____
(f)	1001	y = x-- - --x;	_____

17. State the output of the program.

```
class Exercise3_4 {
    public static void main(String str[] ) {
        int a = 100, b = 10;
        System.out.println("A-> " + a++);
        System.out.println("B-> " + ++a);
        System.out.println("C-> " + (++a + 1) );
        System.out.println("D-> " + b--);
        System.out.println("E-> " + --b);
        System.out.println("F-> " + (++a + b++));
        System.out.println("G-> " + (++a + ++b));
        System.out.println("H-> " + (--a - --b));
        System.out.println("I-> " + (--a + --b));
        System.out.println("J-> " + (--a - b--));
    } // main
} // end class
```