Introduction to Java Unit 3. Exercises

1. a =	int a = 13 % 10;
2. b =	int b = 15 % 5;
3. c =	double c = 8 % 10;
4. d =	int d = 36 % 12;
5. e =	double e = 7 % 4;

6. What is displayed?	int num = 7 ;
The state of the s	while (num <= 10) {
	System.out.print(num + " ");
	num++;
	}
7. What is displayed?	int num = 7;
	while (num <= 10) {
	num++;
	System.out.print(num + " ");
	}
8. What is displayed?	int num = 7 ;
	while (num > 5) {
	num;
	System.out.print(num + " ");
	}
9. What is displayed?	int h = 6;
	while (h < 10){
	System.out.print(h % 3 + " ");
	h++;
	}
10. What is displayed?	int x = 2;
	while (x <= 25) {
	System.out.print(x + " ");
	x = 2*x;
	}
11 777	System.out.println(x);
11. What is displayed?	int x = 5;
	int n = 1;
	while ($n \le 3$) {
	x = 2*x;
	n++;
	System.out.print(x+ " ");
	}

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System.out.print( j + ", ");
14. What is displayed?
                                       for ( int n = 0; n <= 10; n = n + 2 ) {
                                               System.out.print(n + ", ");
15. What is displayed?
                                       for ( int k = 5; k >= 0; k-- ) {
                                               System.out.print(k + ", ");
16. What is displayed?
                                       for (int x = 0; x \le 2; x ++) {
                                               int y = 3 * x - 2;
                                               System.out.println( "x = " + x + ", y = " + y );
17. What is displayed?
                                       int answer = 1;
                                       for (int j = 1; j \le 4; j++) {
                                               answer = 3 * answer;
                                       System.out.println( answer );
                                                    for ( int k = 6; k < 14; k ++ ){}
18. What is displayed?
                                                            System.out.print(k\%3 + "");
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19. The code to the right is executed and four numbers are printed. If the last number is 17, what might the first three numbers be?

int num = 0; while (num < 15) {
    int w = (int)(8*Math.random()) + 2; num += w;
    System.out.println(w);
}

System.out.println(num);
```