

PASCAL - ARITHMETIC OPERATORS

http://www.tutorialspoint.com/pascal/pascal_arithmetic_operators.htm

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Following table shows all the arithmetic operators supported by Pascal. Assume variable **A** holds 10 and variable **B** holds 20, then –

Operator	Description	Example
+	Adds two operands	A + B will give 30
-	Subtracts second operand from the first	A - B will give -10
*	Multiplies both operands	A * B will give 200
div	Divides numerator by denominator	B div A will give 2
mod	Modulus Operator AND remainder of after an integer division	B mod A will give 0

The following example illustrates the arithmetic operators –

```
program calculator;
var
a,b,c : integer;
d: real;

begin
    a:=21;
    b:=10;
    c := a + b;

    writeln(' Line 1 - Value of c is ', c );
    c := a - b;

    writeln('Line 2 - Value of c is ', c );
    c := a * b;

    writeln('Line 3 - Value of c is ', c );
    d := a / b;

    writeln('Line 4 - Value of d is ', d:3:2 );
    c := a mod b;

    writeln('Line 5 - Value of c is ', c );
    c := a div b;

    writeln('Line 6 - Value of c is ', c );
end.
```

Please note that Pascal is very strongly typed programming language, so it would give an error if you try to store the results of a division in an integer type variable. When the above code is compiled and executed, it produces the following result:

```
Line 1 - Value of c is 31
Line 2 - Value of c is 11
Line 3 - Value of c is 210
Line 4 - Value of d is 2.10
Line 5 - Value of c is 1
Line 6 - Value of c is 2
```