

Division

Byte Division

Example $2 \overline{) 5} \times 2$

- Rules**
1. Dividend 16 bit, Divisor 8 bit
 2. Dividend must be in **AX**
 3. Remainder in **AH**, Quotient in **AL**

Instructions

```
MOV AX, 5
MOV CH, 2
DIV CH
```

Word Division

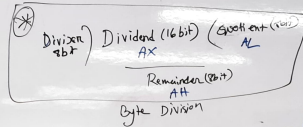
Example - 4ab 1498 46

03D6

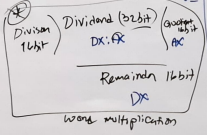
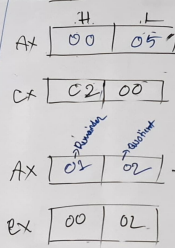
- Rules**
1. Dividend 32 bit, Divisor 16 bit
 2. Dividend must be in **DX:AX**
 3. Remainder in **DX**, Quotient in **AX**

Instructions

```
MOV DX, 601H
MOV AX, 09A8H
MOV BX, 04ABH
DIV BX
```



Byte Division



Word Division

