88.
5.

1. Write algorithms whether a student passed the exam or not.

Ans

Step 1 → Start

Step 2 → Declare variables studentMark, ~~and~~ total, percentage and result.

Step 3 → Read values studentMark and total.

Step 4 → percentage = ~~studentMark~~
= (studentMark / total) * 100

Step 5 → if percentage less than 30
result = 'student failed'.

else
result = 'student Passed'.

step 6 → Print result.

step 7 → Stop.

2. Algorithm to convert Celsius to Fahrenheit and vice versa.

Ans

step 1 → Start.

Step 2 → Declare variables C, F

Step 3 → Read values C ~~and F~~ and F, result

Step 4 → if value F = null
F = (C * 9 / 5) + 32

$$\text{result} = F + `\ {}^\circ F\text{'}$$

else if value $c =$ null.
$$c = (F - 32) * 5/9$$
$$\text{result} = c + `\ {}^\circ c\text{'}$$

step 5 $\rightarrow$ print result.

step 6 $\rightarrow$ stop