

# Sooner Rater (Application for Android 6.0 or over)

## Operation manual Ver. 1.0 (2020/ 5/18)

**At the beginning:** This application's characteristics are: number change by "direct touch to number" and automatic calculation of result. No explanation is necessary for basic calculations, I think. This manual includes only the minimum functional description.

**Attention:** Please check by yourself carefully any value, if you use it to practical purpose.

I make no warranty and can't respond to claims of any kind of damage.

I have developed and checked this application with Visual studio/Xamarin/Android emulator and confirmed actual unit operation only with Android 9.0. I follow rule of Android, and I have corresponded and checked different screen resolution, so I believes it works on any models without a problem, but I can't guarantee. If you encounter this application's trouble, I wish you to inform me it with as much as possible detailed information like equipment specs, etc.

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## Attached calculations in this Application

This application is specialized to percent calculation. It has 5 sheets.

By scrolling right or left (Touch dark color behind and move right or left), you can switch to another sheet.

### 1. Percent calculation 4 sheets

For multiple use purpose, each sheet wears different color. These do the same calculation.

Cost Price	1,000.00
Selling Price	1,200.00
Gross Profit	200.00
Margin (/Sell. %)	16.67
MarkUp (/Cost. %)	20.00

Cost Price	1,000.00
Selling Price	800.00
Discount	-200.00
Discount Rate (/Sell. %)	-25.00
Discount Rate (/Cost. %)	-20.00

Tax Excluded	909.09
Tax Included	1,000.00
Tax	90.91
Tax Rate (/Tax In. %)	9.09
Tax Rate (/Tax Ex. %)	10.00

Base	1,000.00
Destination	1,200.00
Increment	200.00
Increase Rate (/Dest. %)	16.67
Increase Rate (/Base %)	20.00

### 2. Total calculation (2 items)

Price1	9.00
Amount1	18.
Price2	4.00
Amount2	12.
Total	210.00

Base	1,000.00
Destination	800.00
Decrement	-200.00
Decrease Rate (/Dest. %)	-25.00
Decrease Rate (/Base %)	-20.00

By scrolling up or down (Touch dark color behind and move up or down), you can switch to another guidance (5 kinds) on the sheet. (Percent sheet only)  
Thin color squares are either number input field or calculation result field. You can switch these by touch. (P.7)

Depending on window size, following items are set up.  
Display length 10-digits or 14-digits, 1 sheet or 2 sheets pair, and vertical or horizontal.

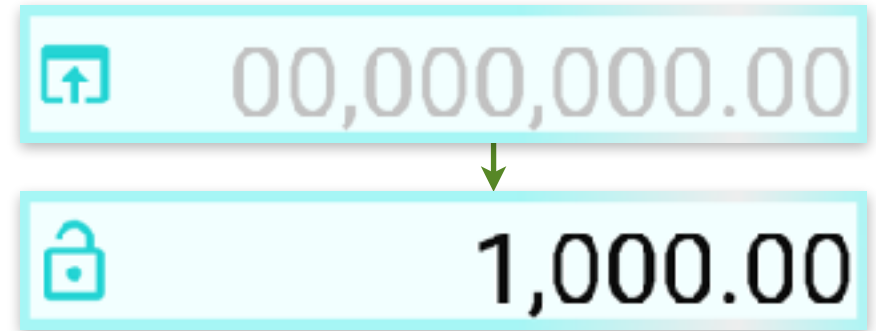
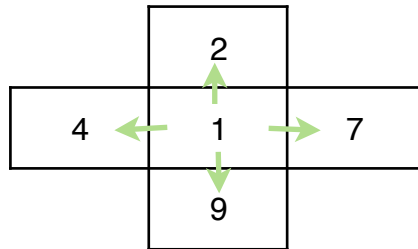
## Number Input

There are 3 ways to input number. (①Touch to number itself ②Copy/Paste ③Software keyboard)

### ① Touch to number itself

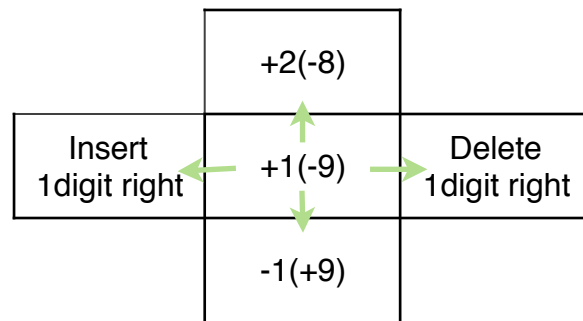
In number input field, if it is initial state, input guide is dimmed.  
(Right figure)

**Touch directly** the digit in the guide, the most significant digit of number you want to input. The digit changes to below table number depending on following action. (Release without move/Up/Down/Right/Left)  
Operate slowly. Stop a moment after touching and then move.

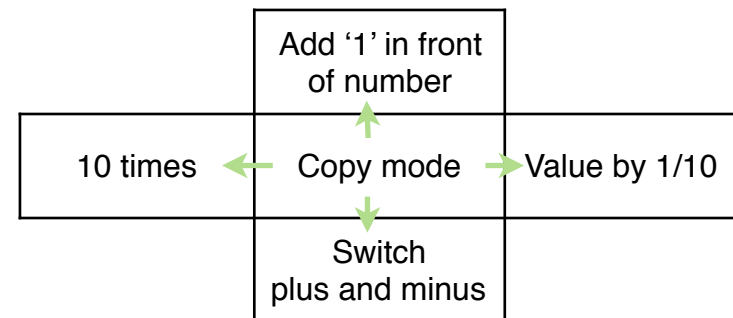


Adjust to aimed number by similar repeated touch actions to each digit.

After this, motion differs depending on whether on blank or on number, and following action. (Release without move/Up/Down/Right/Left)  
**On number**, below left table operations work. Only when moving up or down, continuous operation works for adjusting the value.

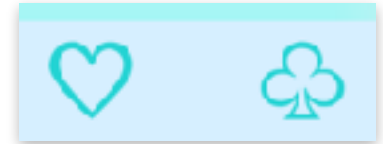


**On blank**, below right table operations work.



## ② Copy/Paste

- (1) Touch and release on blank in front of the number you want to copy. Its color turns to thin.
- (2) Touch and release in destination number input field. The value (1) is pasted. The value is rounded following the settings (P.8).  
Or touch again on the same (1). The value is stored in clipboard.
- (3) By a touch on blank in front of input guide, the value in clipboard is pasted.  
In copy/paste operation, memory button (Right figure, bottom of sheet) is possible to use instead of number.  
When memory holds a value, the symbol is filled.



- (4) **Copy/Paste of whole sheet:** Touch and release on dark color behind. Select from appearing popup menu.  
(Selector is shown in the case only it works.)  
By copy choice, whole sheet text is stored in clipboard. By paste choice on another sheet, the clipboard content is recalled on it.  
And you can paste it into different application like Spreadsheet, E-mail.

## ③ Software keyboard

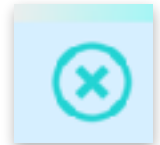
Keyboard (P.6) appears by touch to the left side button (Either of right figure) in the number field.



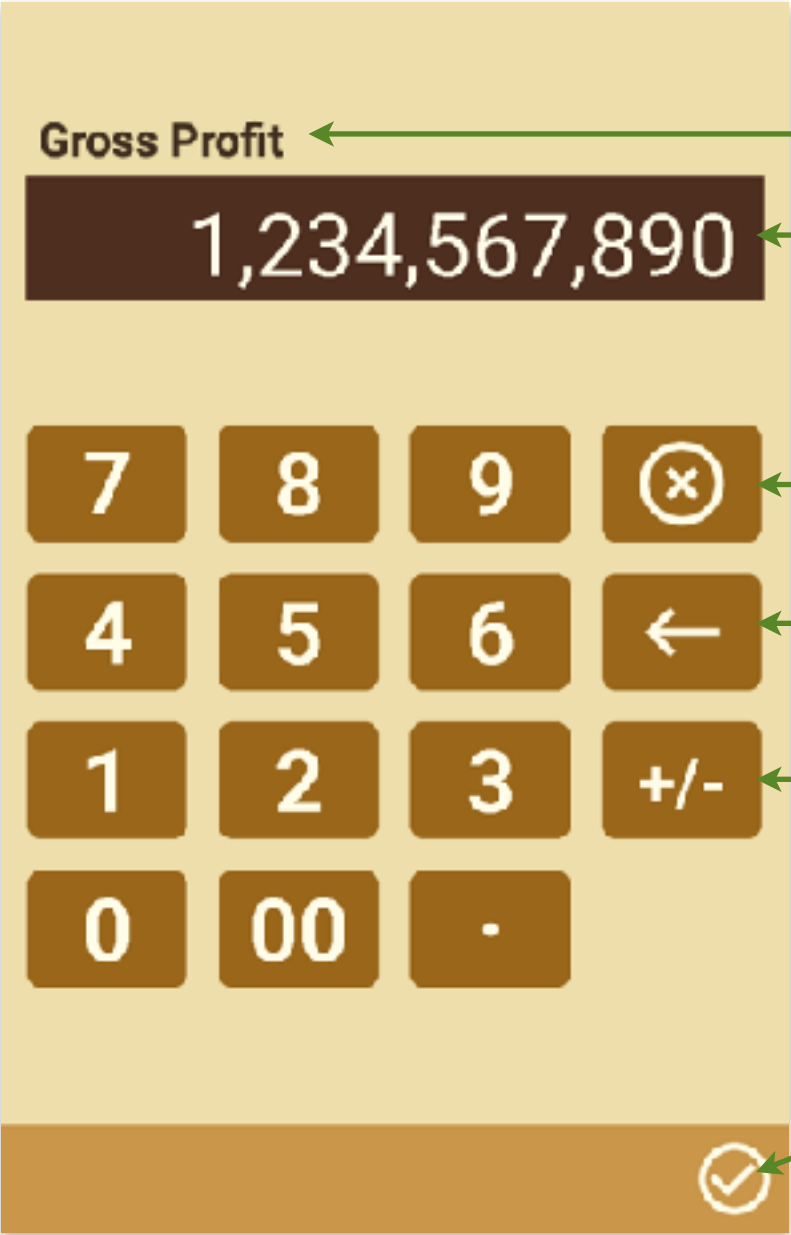
### \* Clear of number

By touch to the eraser button (Right figure, bottom right of sheet), whole sheet on screen is cleared.  
As a prevention of calculation loss by miss touch, it doesn't work by short touch.  
Memories are held in this sheet clear action.

When you want to clear only one number or a memory, select it by the Copy/Paste(1) operation, and touch eraser button.



**Keyboard**



← Label of the inputting number.

← This displaying number is stored. Touch correction to number is possible. After storing, it is rounded according to the setting (P.8). If it is blank, nothing is stored.

← Clear inputted number. It doesn't work by short touch.

← Delete last 1 character.

← Switch plus and minus.

← Finish number input and **quit** this sheet.

## Other operations

### \* Calculation result field

In calculation result field, before calculation, blank is displayed.

(Right figure)

At the time inputted number amount reaches to the possible level, the calculation is automatically done and the result is displayed when it is in the range.

The result is rounded according to the setting (P.8) and displayed in thick.

Touch to calculation result field, regardless of which blank or result, changes it to number input field.

(However, there are cases logically impossible. Neither software keyboard nor lock button works in the situation.)

### \* Lock of number

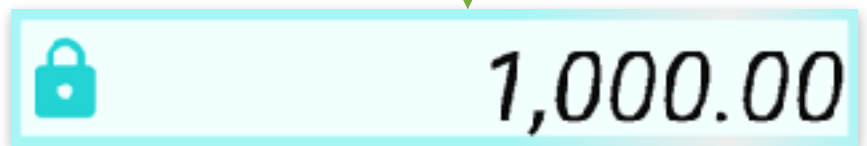
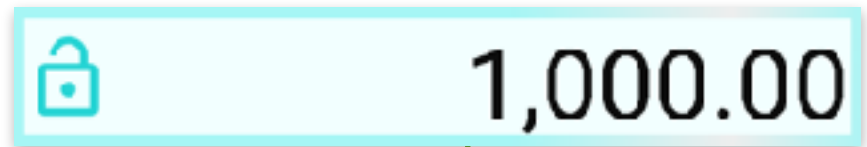
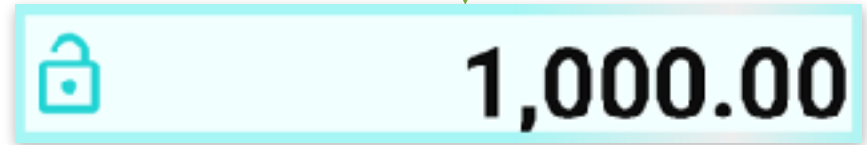
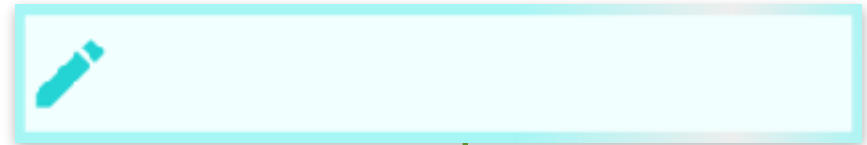
Lock button is shown left side of both number inputted and calculated (Right figure). The number is locked by touch to the button.

The value is held while locking. However, it can't be held in reset or reload operation (P.8).

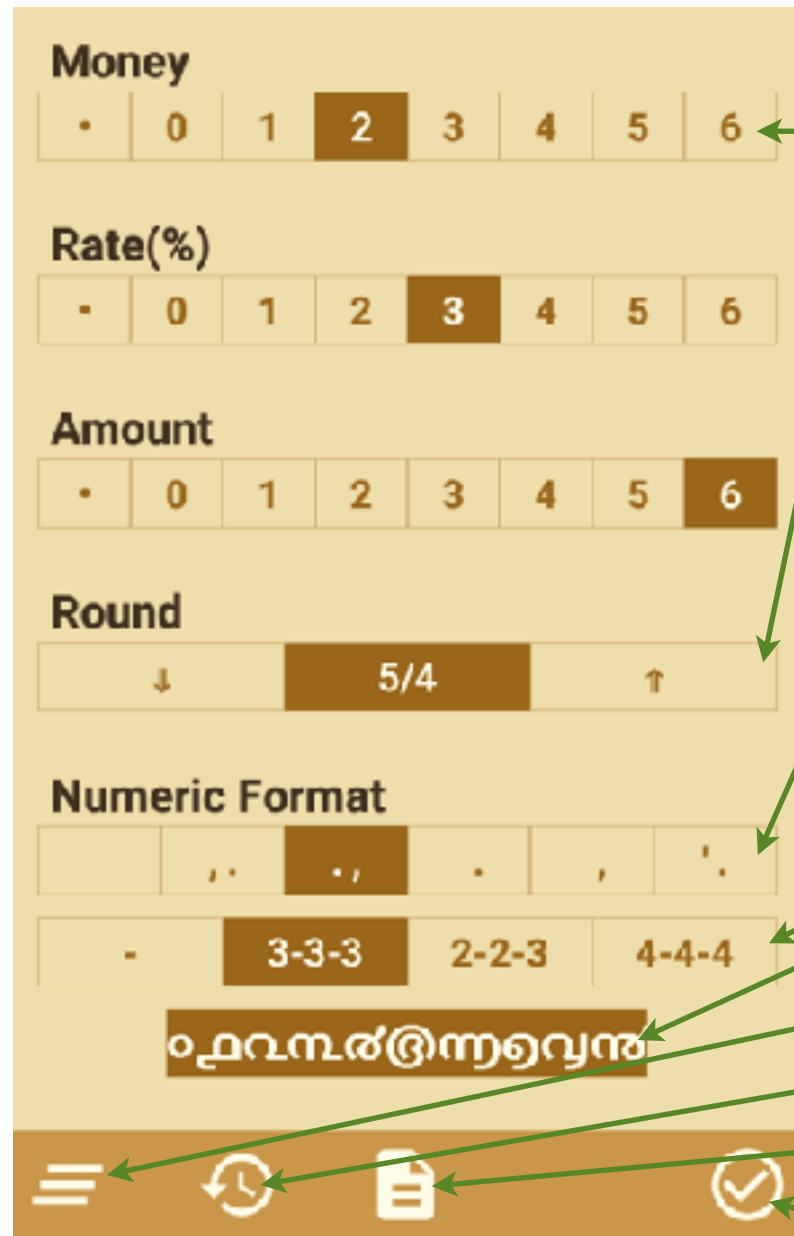
Re-touch to lock button releases this lock state. As a prevention of value change by miss touch, it doesn't work by short touch.

### \* Setting change

Settings sheet (P.8) appears by touch to the gear button (Right figure, bottom left of sheet).



# Settings



Number is classified 3 kinds (Money/Rate(%)/Amount).  
Choose decimal part length for each. '.' is full digit display.(Until 10 or 14 digits)

**Rounding rule** is same in all numbers. (Round down/Round off/Round up)

**Decimal point/Separator character**

Blank: Default of the unit

., : 1,234,567,890.

., : 1.234.567.890.

. : 1 234 567 890.

, : 1 234 567 890,

' : 1'234'567'890.

**Separator location**

- : 1234567890.

3-3-3 : 1,234,567,890.

2-2-3 : 1,23,45,67,890.

4-4-4 : 12,3456,7890.

**Number type**

19 type numbers are available and switched by touch.

(Up/Down)

**Reset:** Use it only when you want to initialize this application.

Reload the situation this application started. It doesn't work by short touch.

Show this manual. (The reload situation is updated.)

Finish these settings and **quit** this sheet.



## Calculation hint

Total sheet is designed to be able to calculate simple Addition/  
Subtraction/Multiplication/Division.  
Like below examples, input 2 number.

### **Addition/Subtraction**

12+35=47 example.  
(47-35=12, 47-12=35 are input  
result field location difference.)

Price1	12.00
Amount1	00,000,000.00
Price2	35.00
Amount2	00,000,000.00
Total	47.00

### **Multiplication/Division**

420÷12=35 example.  
(35×12=420, 420÷35=12 are input  
result field location difference.)

Price1	35.00
Amount1	12.00
Price2	00,000,000.00
Amount2	00,000,000.00
Total	420.00

% sheet is designed to do simple percent calculation of  
normal calculator.  
Like below examples, input 2 number.

### **Percent-Plus**

120+25%150 example.  
(120×25%30, 30÷25%120 are input  
result field location difference.)

Cost Price	120.00
Selling Price	150.00
Gross Profit	30.00
Margin (/Sell. %)	20.00
MarkUp (/Cost. %)	25.00

### **Percent-Minus**

120-25%90 example.  
(120× -25% -30, -30÷ -25%120 are  
input result field location difference.)

Cost Price	120.00
Selling Price	90.00
Gross Profit	-30.00
Margin (/Sell. %)	-33.33
MarkUp (/Cost. %)	-25.00

**Modification history**