

Privacy and security on Android

This guide was created by the **Aphasia Tech Hub**.

Have more **questions** or would like a **personal consult** with a member of our team?

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About this guide

This **guide** is about **accessibility features** on an **Android phone**.

Android is an **operating system**.

Accessibility features make your phone easier to use.

To **use** this **guide** you must **have** a **smart phone**.

Your **smart phone** must **use** the **Android operating system**

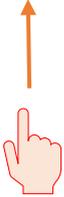
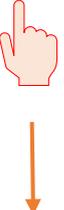
This **guide** has a **glossary**.

The **meaning** of **some words** is in the **glossary**.

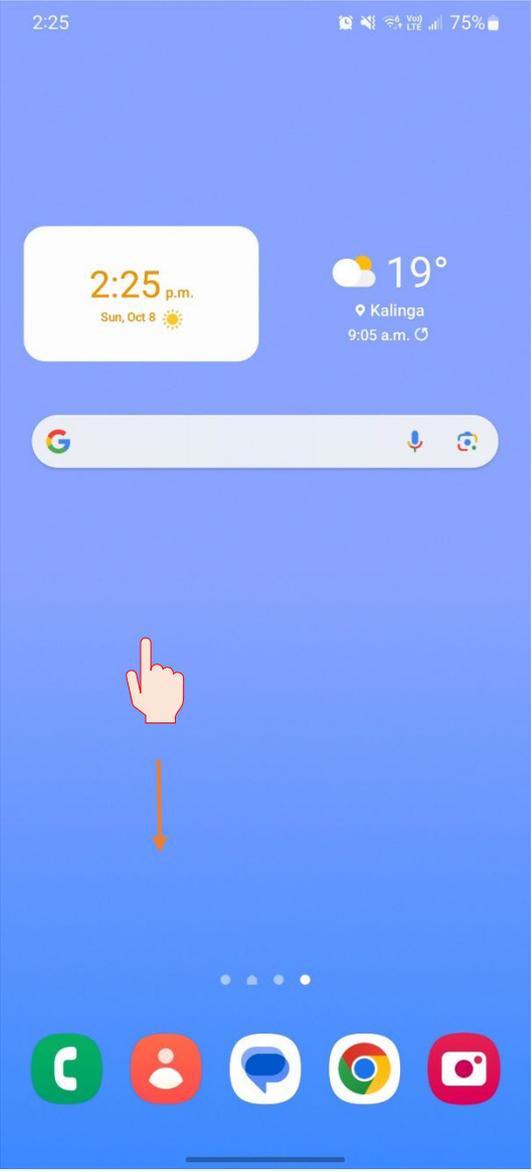
The **glossary** is at the **end** of this **guide**.

Symbols

Common symbols in this guide:

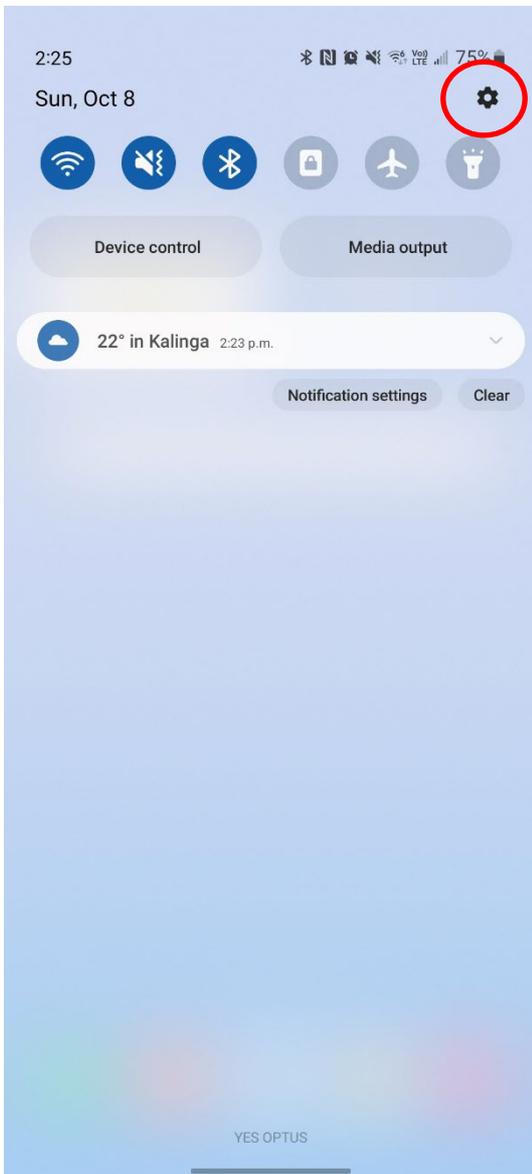
	<p>Tap or look here</p>
	<p>Shows where on the picture the object or item is</p>
	<p>Drag finger up screen</p>
	<p>Drag finger down screen</p>

Set up a PIN

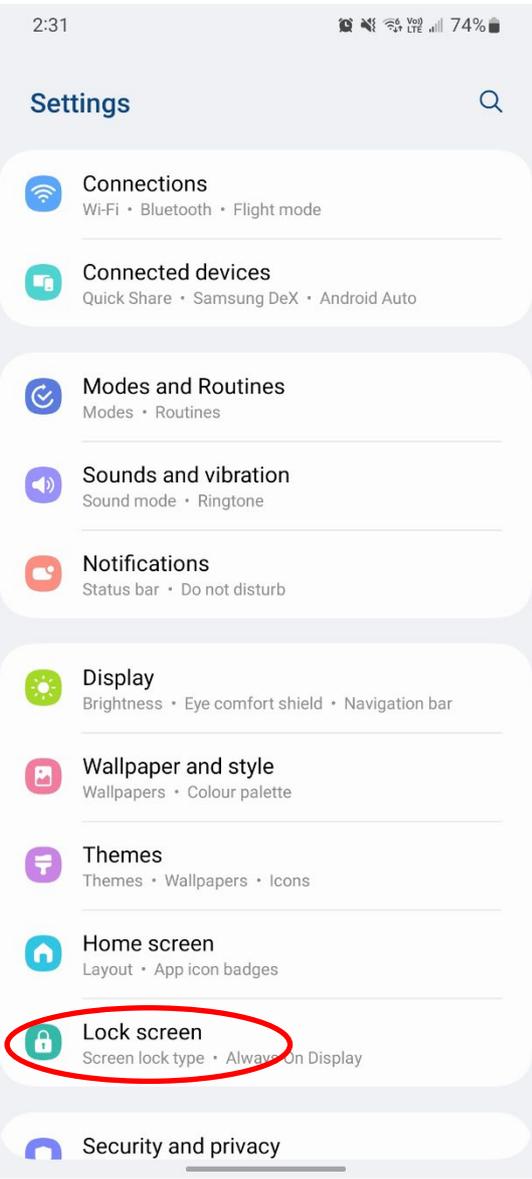


The screenshot shows an iPhone home screen with a blue background. At the top, the status bar displays the time 2:25, signal strength, Wi-Fi, VoLTE, and 75% battery. Below the status bar, there are two widgets: a clock showing 2:25 p.m. on Sun, Oct 8, and a weather widget showing 19° in Kalinga with a 9:05 a.m. sunrise. A Google search bar is positioned below the widgets. At the bottom, there is a dock with five app icons: Phone, Contacts, Messages, Chrome, and Photos. A hand icon with a red outline is positioned in the center of the screen, with a red arrow pointing downwards from its index finger, indicating a swipe down gesture.

Swipe down



Tap **settings**

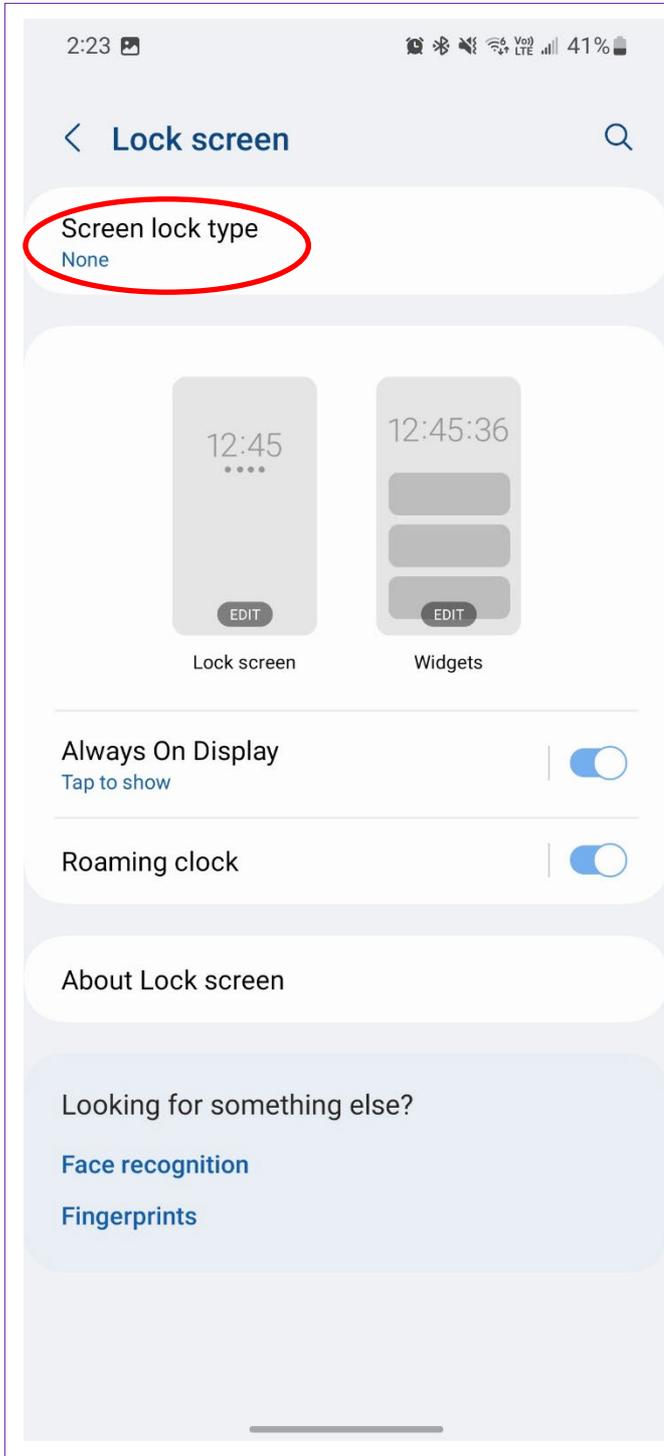


2:31 🔇 🔴 VoIP LTE 📶 74%

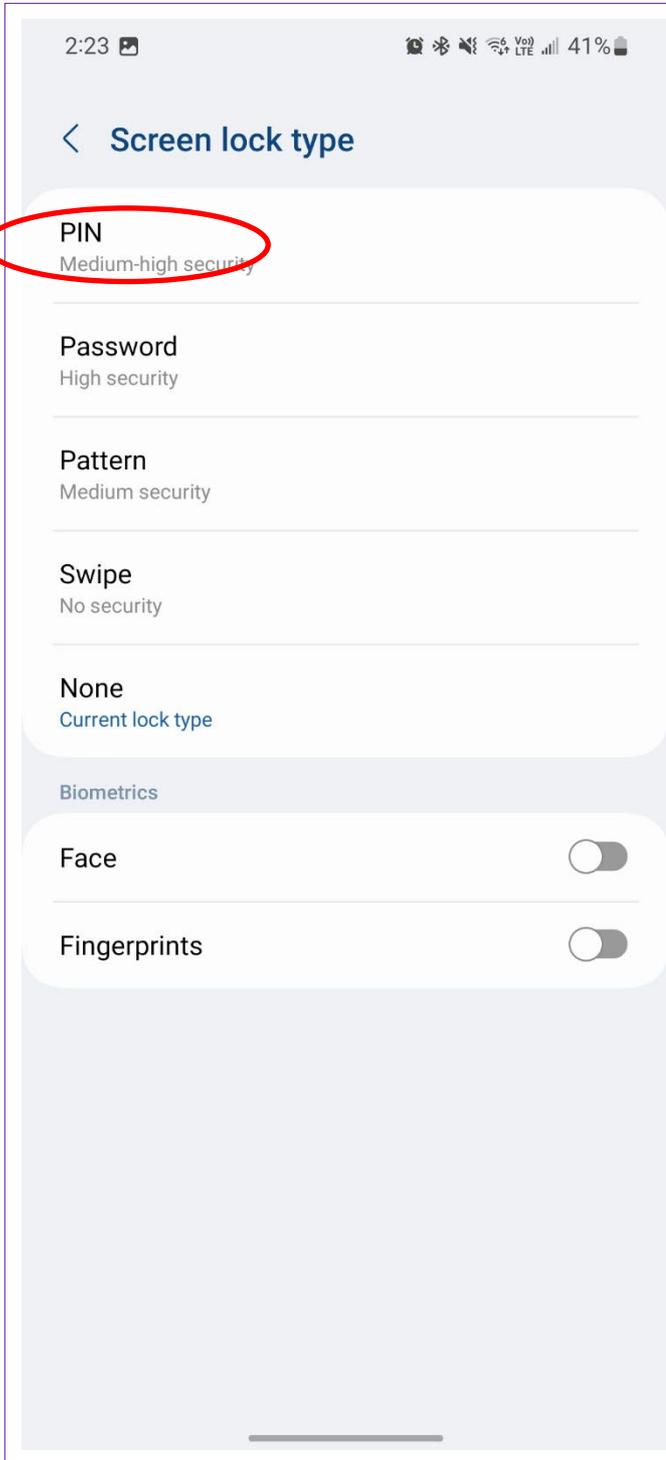
Settings

- Connections**
Wi-Fi • Bluetooth • Flight mode
- Connected devices**
Quick Share • Samsung DeX • Android Auto
- Modes and Routines**
Modes • Routines
- Sounds and vibration**
Sound mode • Ringtone
- Notifications**
Status bar • Do not disturb
- Display**
Brightness • Eye comfort shield • Navigation bar
- Wallpaper and style**
Wallpapers • Colour palette
- Themes**
Themes • Wallpapers • Icons
- Home screen**
Layout • App icon badges
- Lock screen**
Screen lock type • Always On Display
- Security and privacy**

Tap Lock screen



Tap screen lock type



Tap PIN

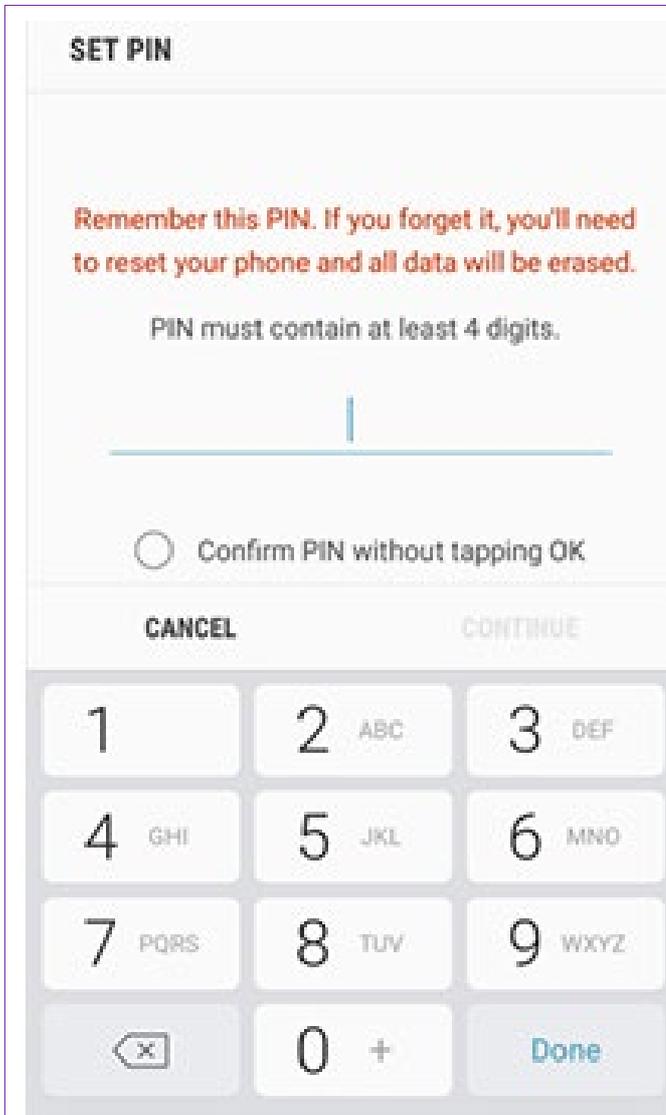
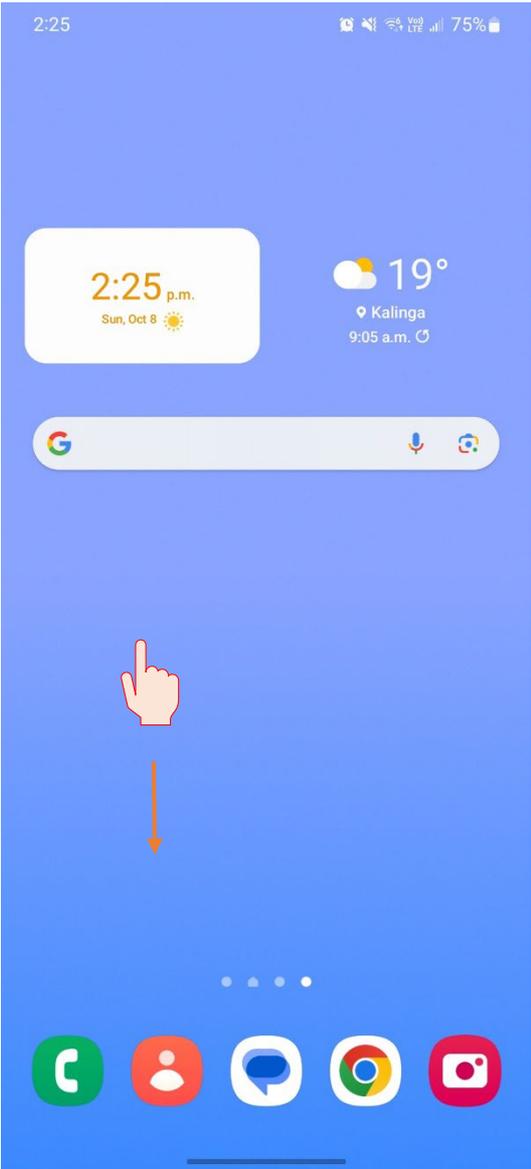


Image from: <https://www.isumsoft.com/android/how-to-change-lock-screen-password-pin-pattern-on-samsung-phone.html>

Choose PIN

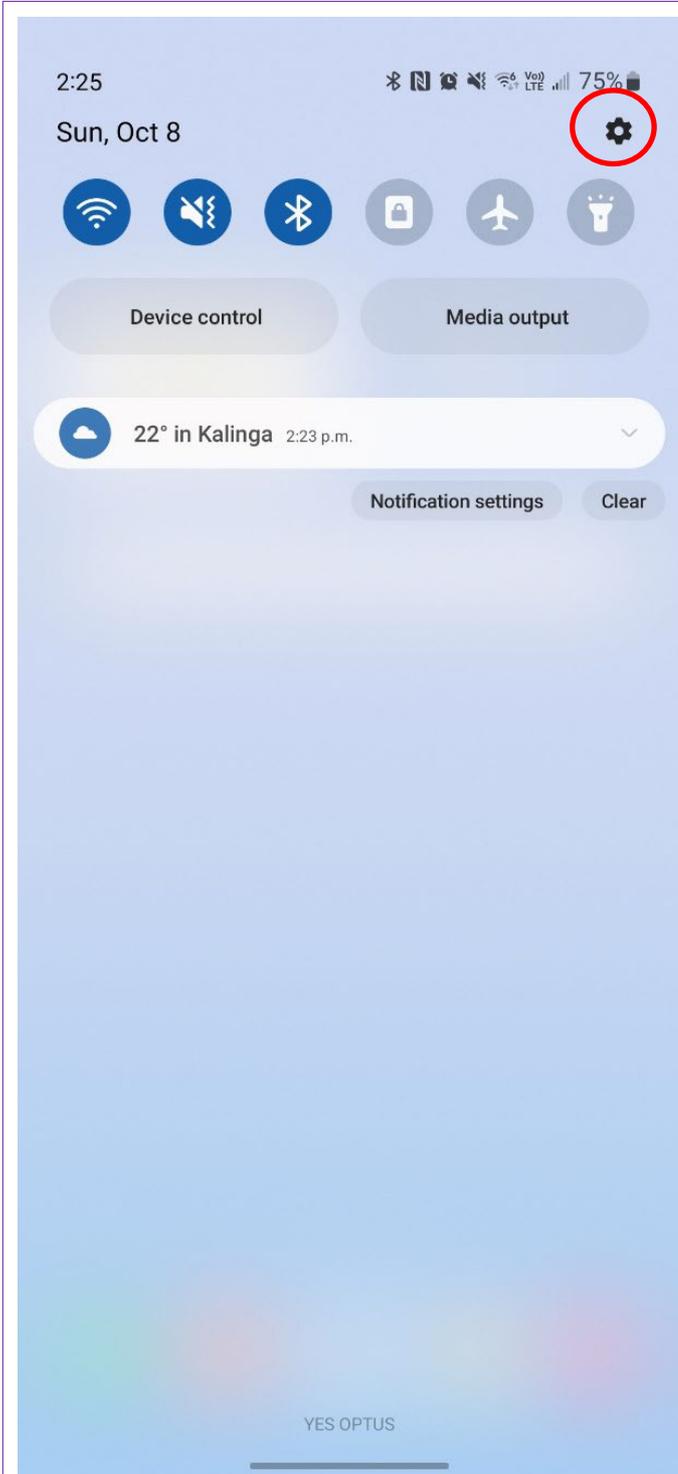
- Six(6) numbers are recommended
- Remember this PIN
- If PIN is forgotten, phone will have to be reset

Set up a Password

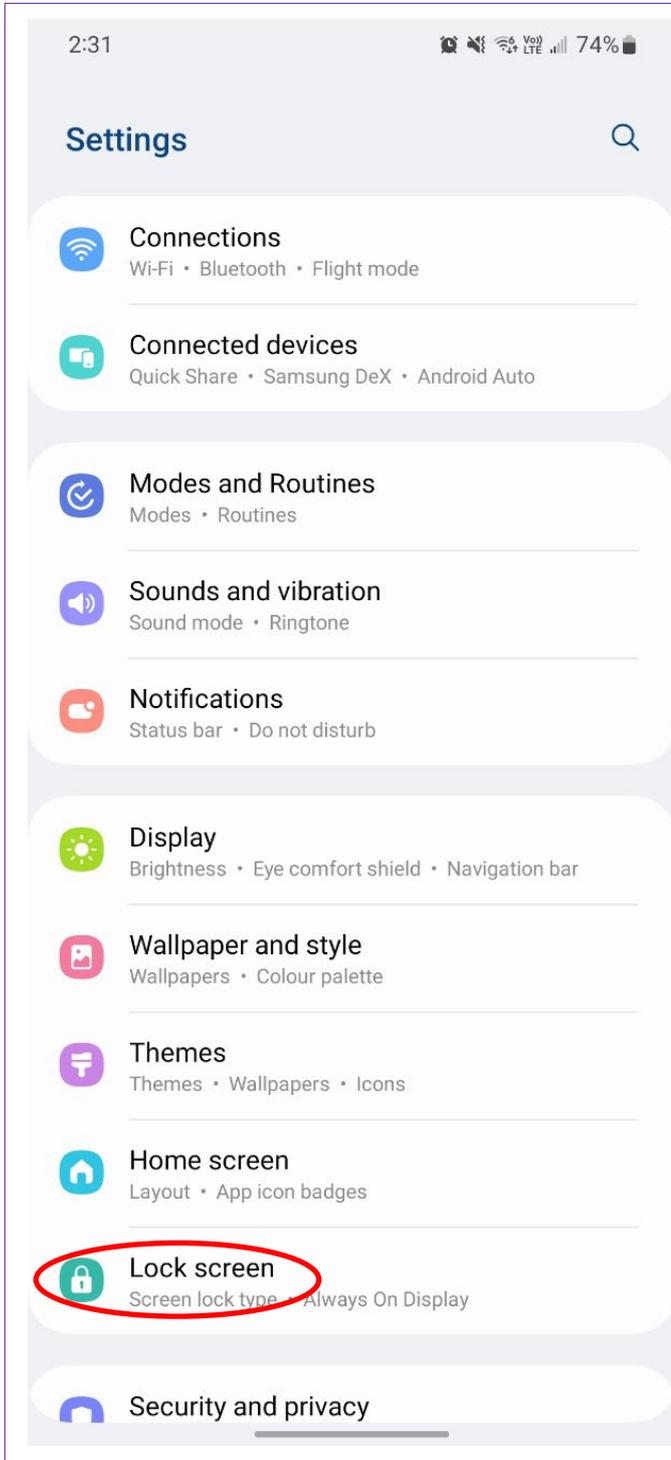


The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25, and the battery is at 75%. A large clock widget shows 2:25 p.m. on Sun, Oct 8. To the right, a weather widget shows 19° in Kalinga at 9:05 a.m. Below these is a Google search bar. At the bottom, there are five dock icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with a downward-pointing arrow is positioned in the center of the screen, indicating the 'swipe down' gesture.

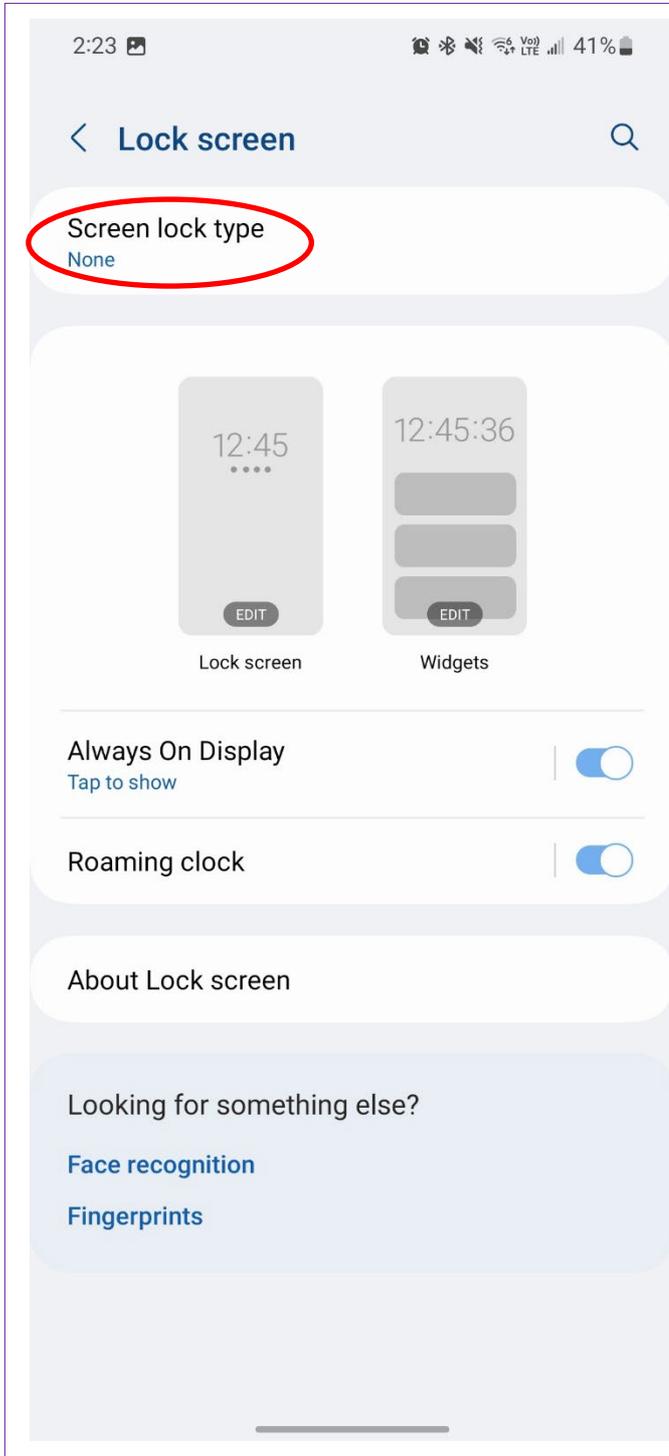
Swipe down



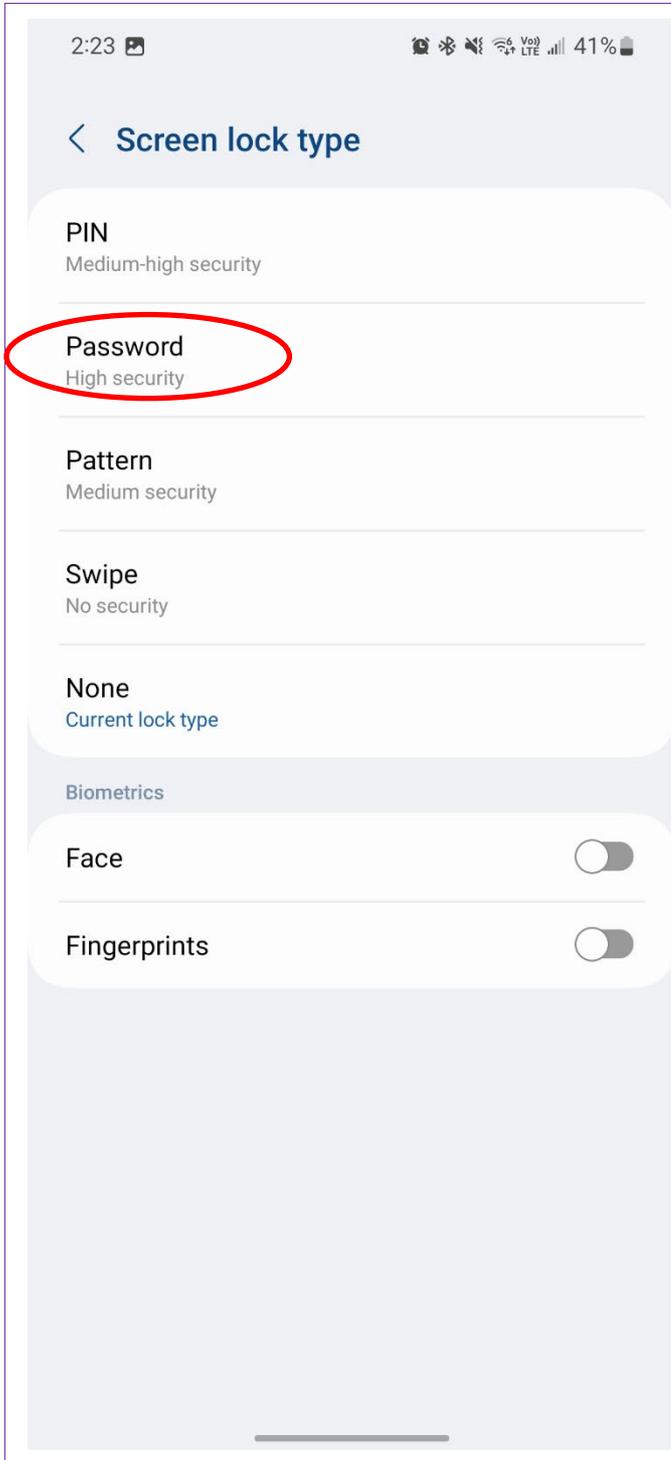
Tap settings



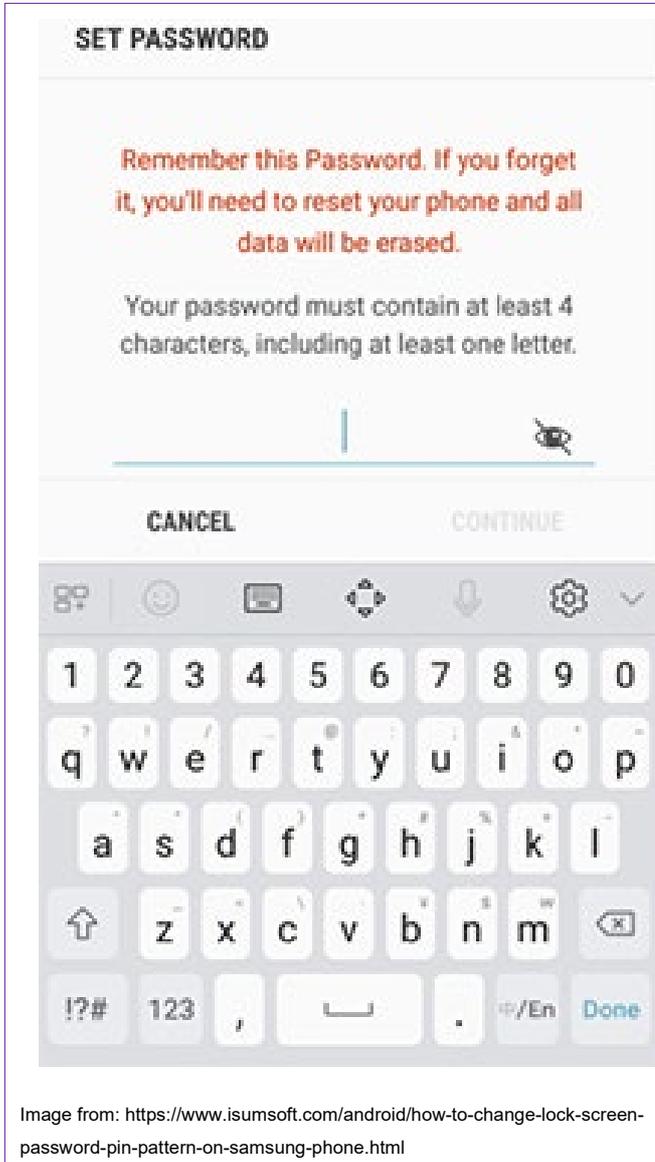
Tap Lock screen



Tap screen lock type



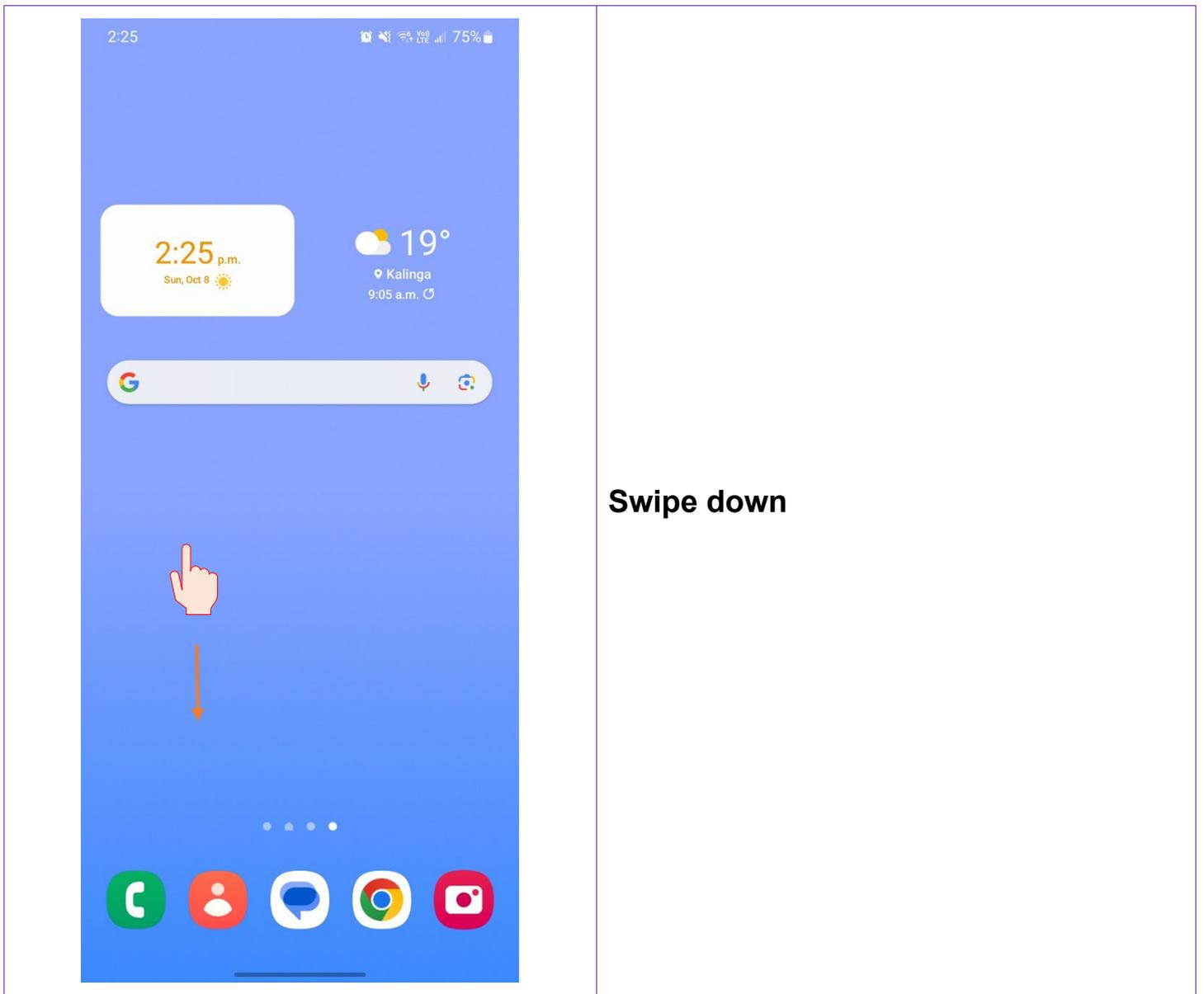
Tap password



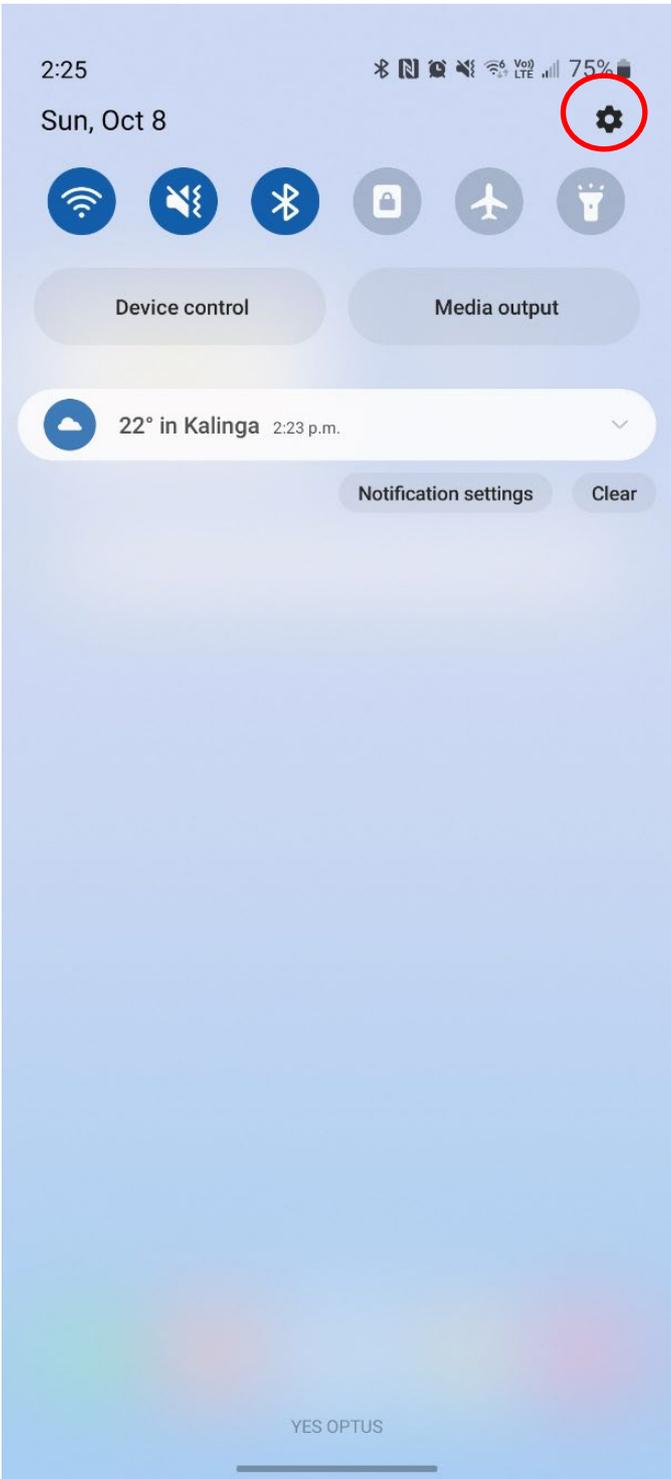
Choose Password

- Password must have four(4) characters, including one(1) letter
- Remember this Password
- If Password is forgotten, phone will have to be reset

Set up a Pattern

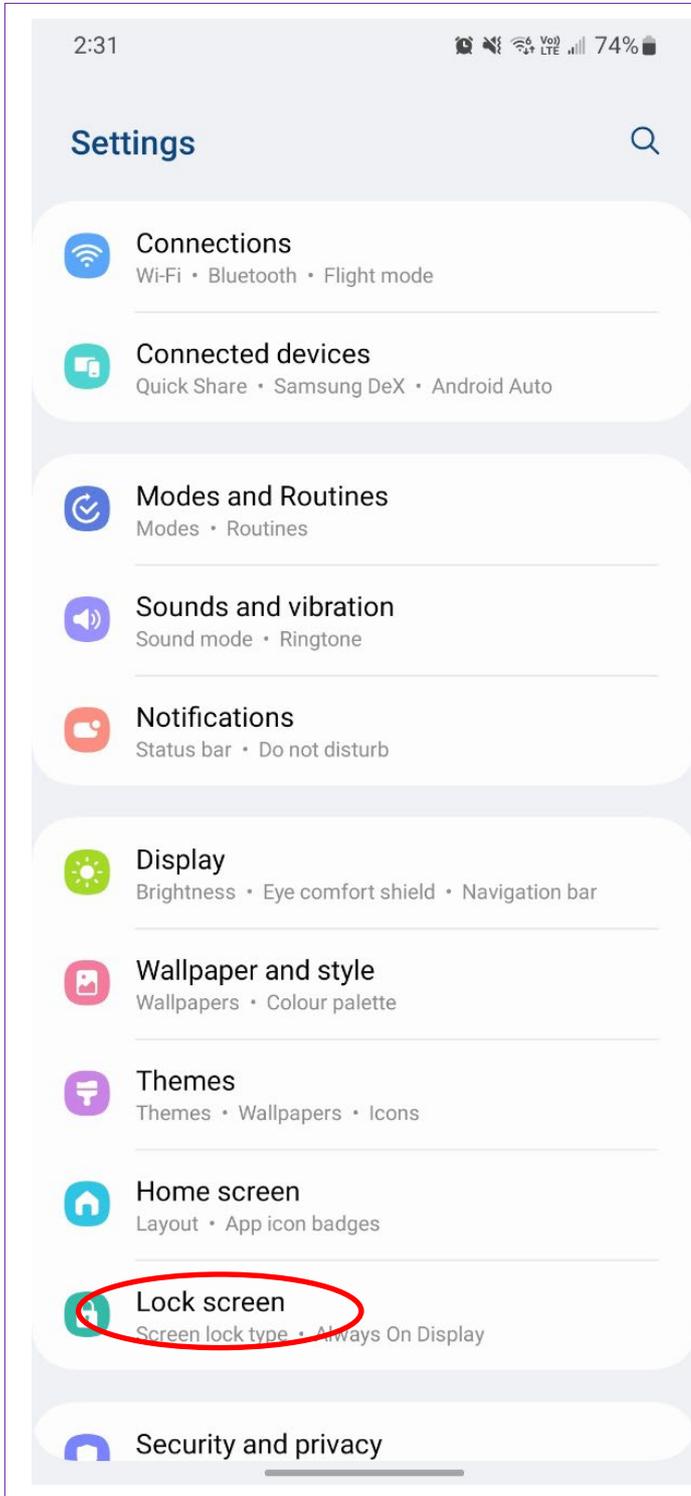


Swipe down

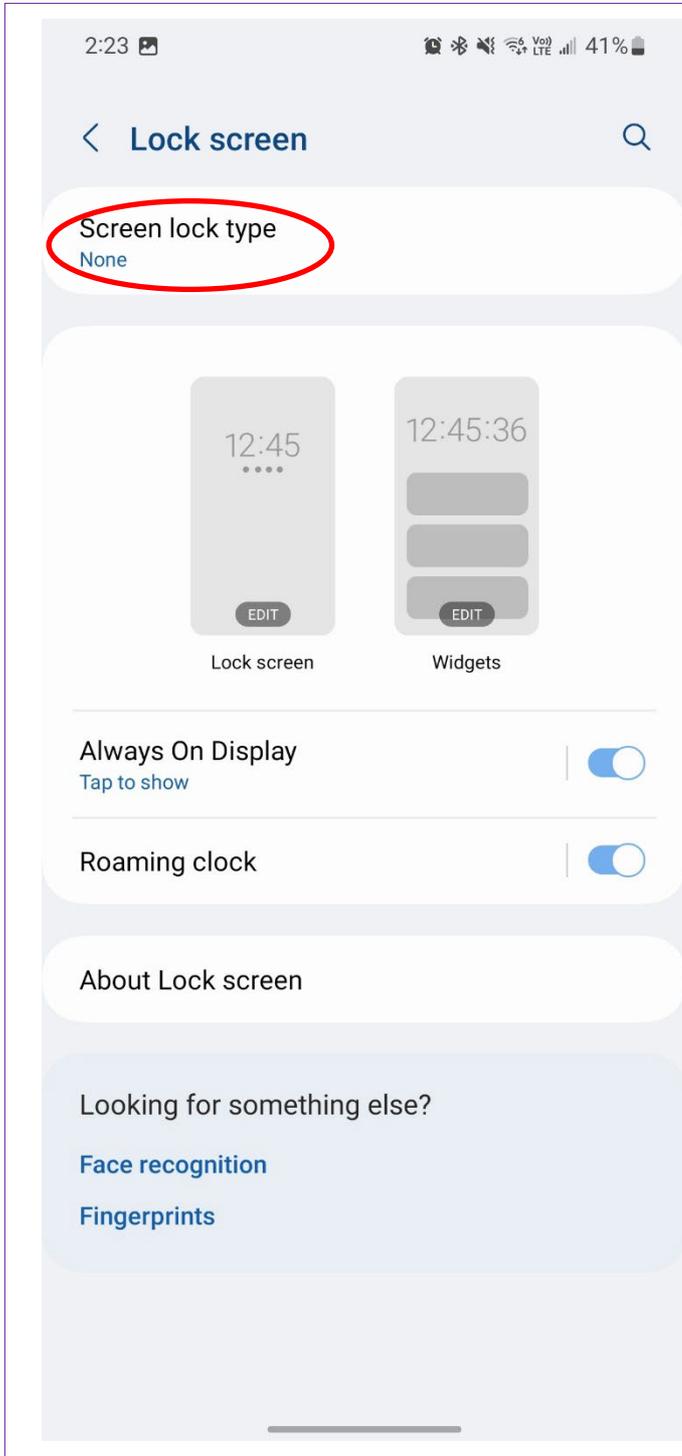


The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25 and the date is Sun, Oct 8. The status bar shows various icons including Bluetooth, NFC, Do Not Disturb, Silent, Voicemail, LTE, signal strength, and a 75% battery level. A red circle highlights the settings icon (a gear) in the top right corner. Below the status bar are several control icons: Wi-Fi, Airplane Mode, Bluetooth, Screen Lock, Airplane Mode, and a lightbulb icon. There are two buttons labeled "Device control" and "Media output". A weather widget shows "22° in Kalinga" at "2:23 p.m." with a dropdown arrow. Below the weather widget are "Notification settings" and "Clear" buttons. At the bottom of the screen, the text "YES OPTUS" is visible.

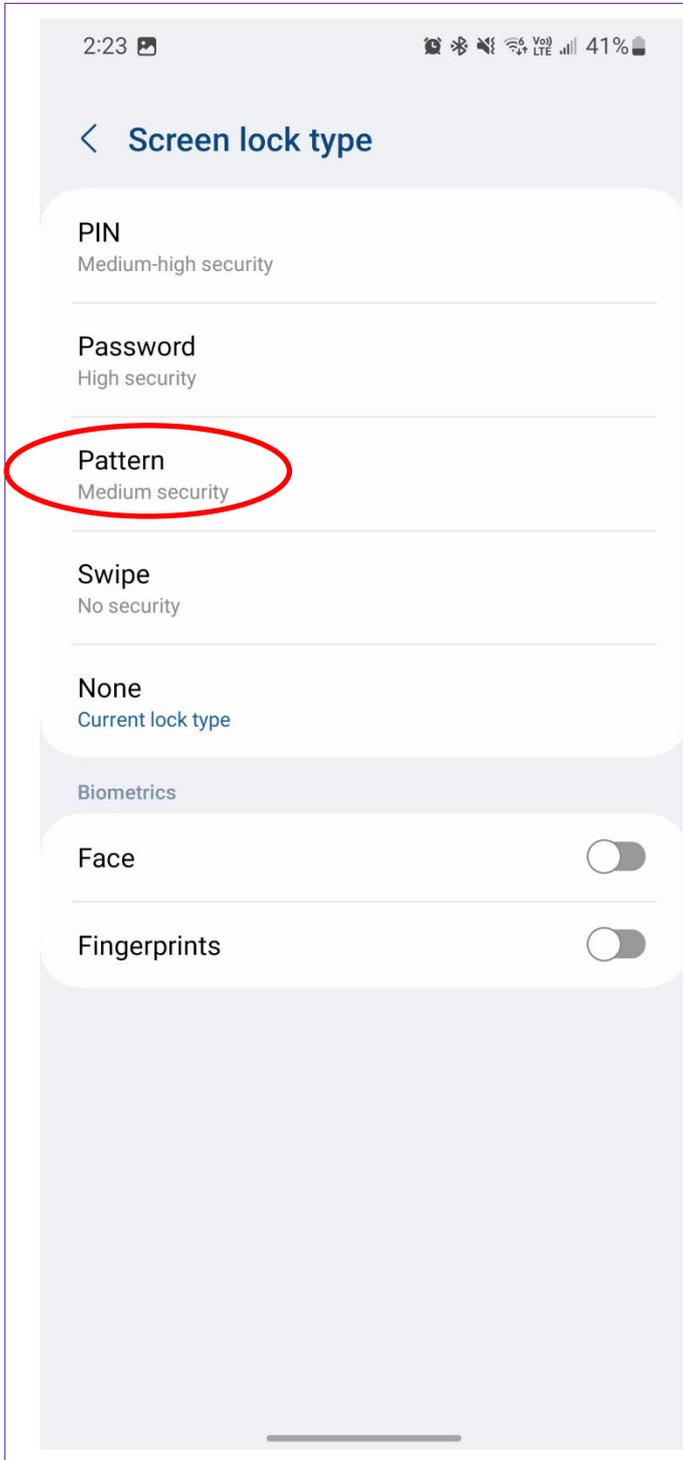
Tap **settings**



Tap Lock screen



Tap screen lock type



Tap Pattern

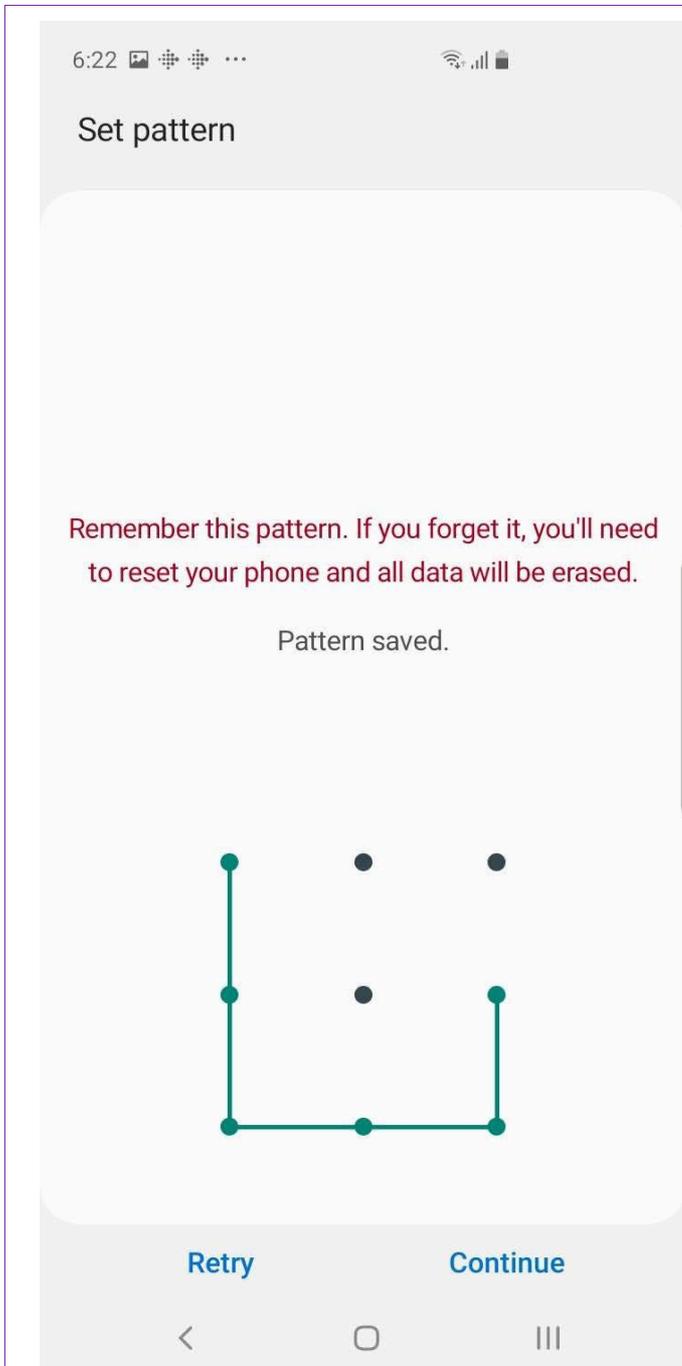
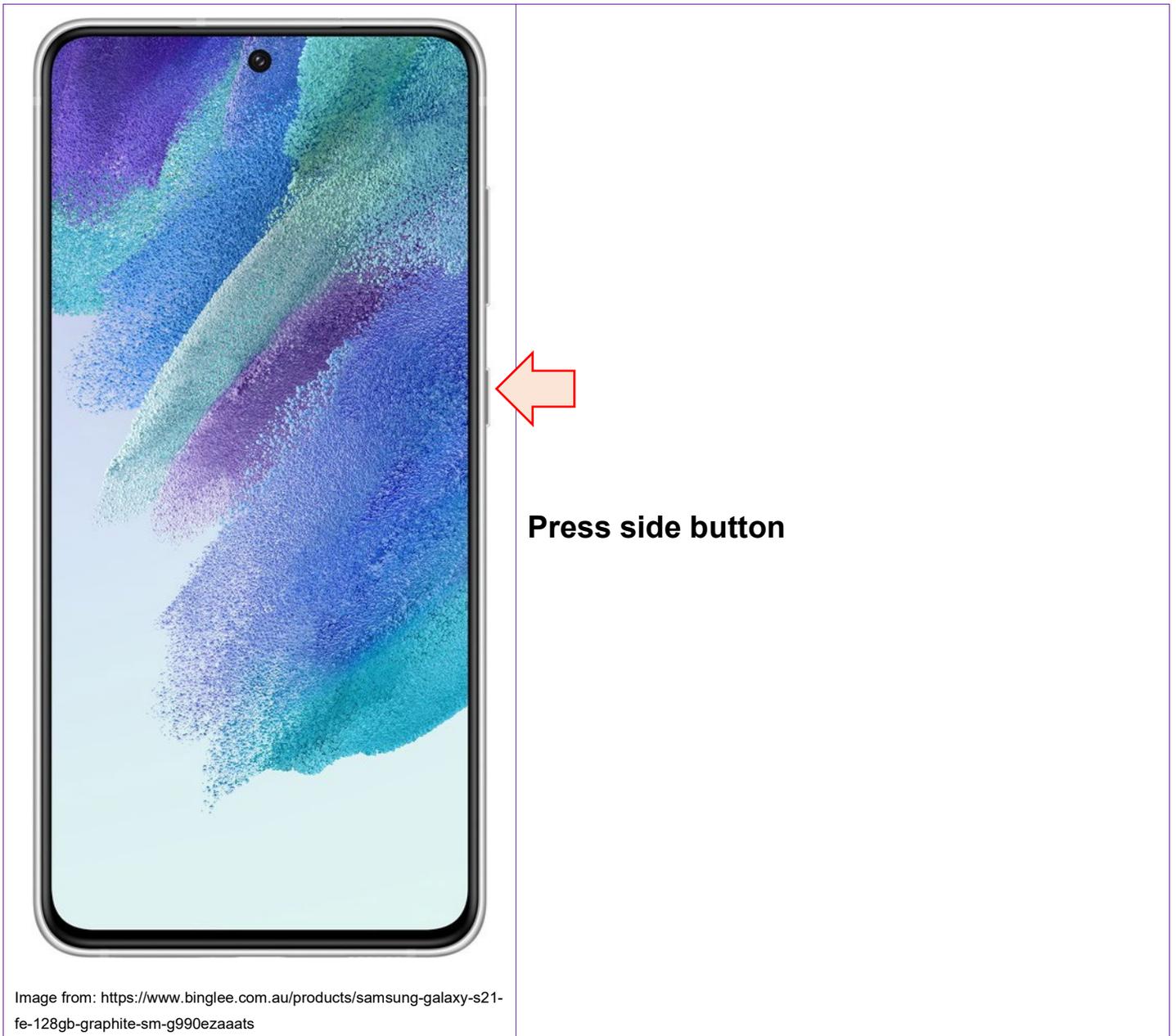


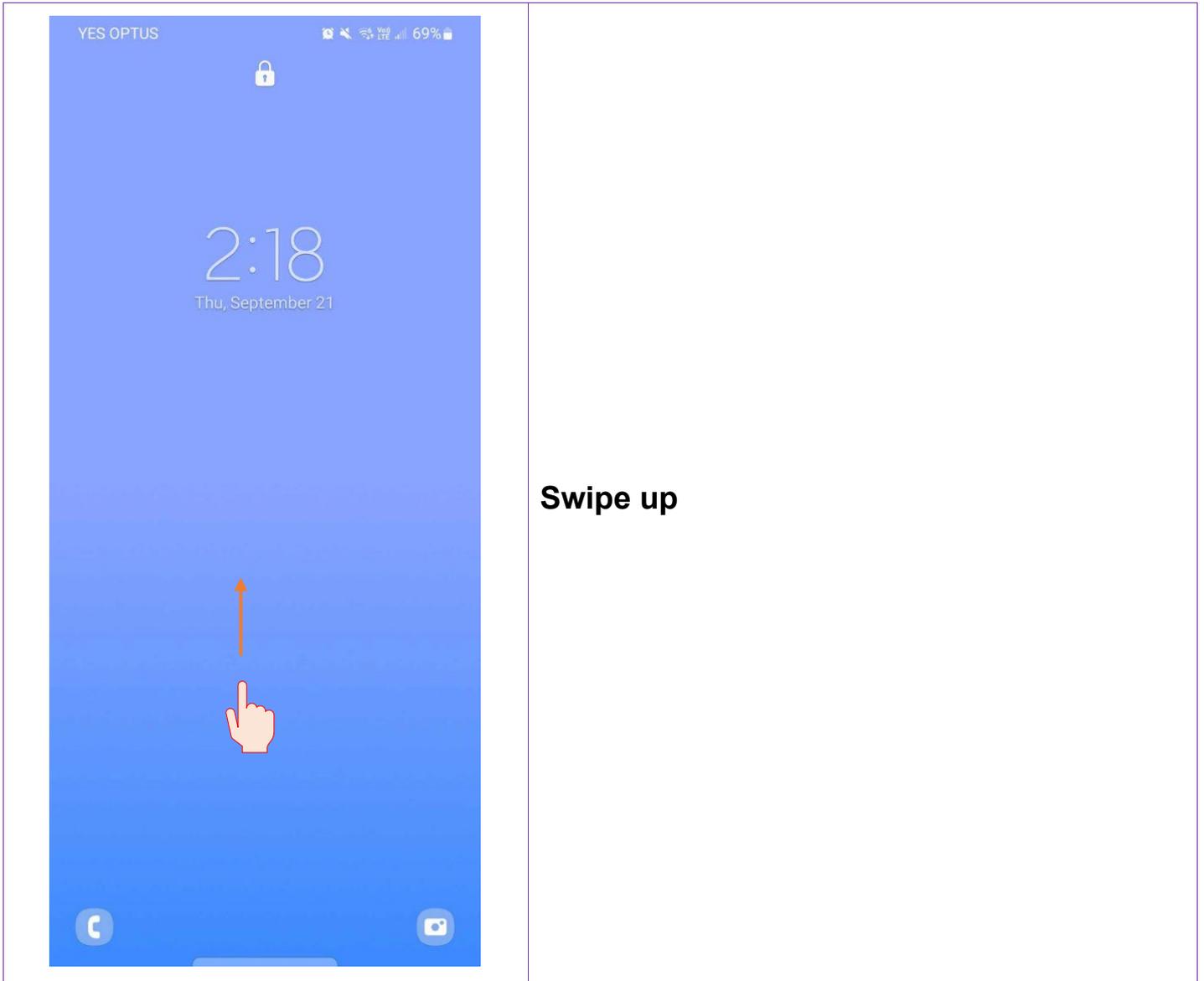
Image from: <https://www.businessinsider.com/guides/tech/how-to-lock-samsung-galaxy-s10>

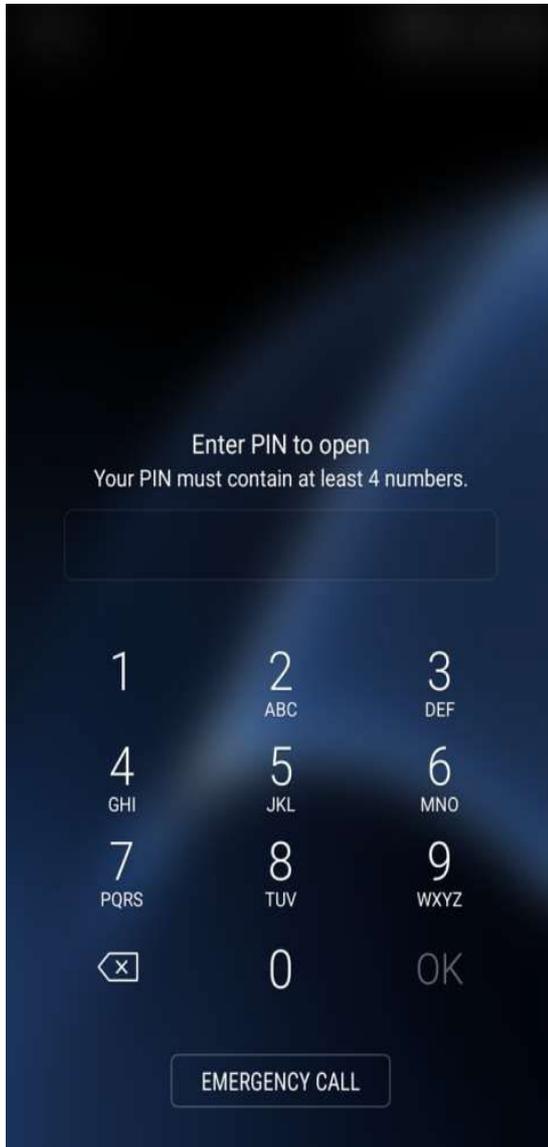
Choose Pattern

- Draw your unlock Pattern
- Remember this Pattern
- If Pattern is forgotten, phone will have to be reset

Unlock phone with PIN

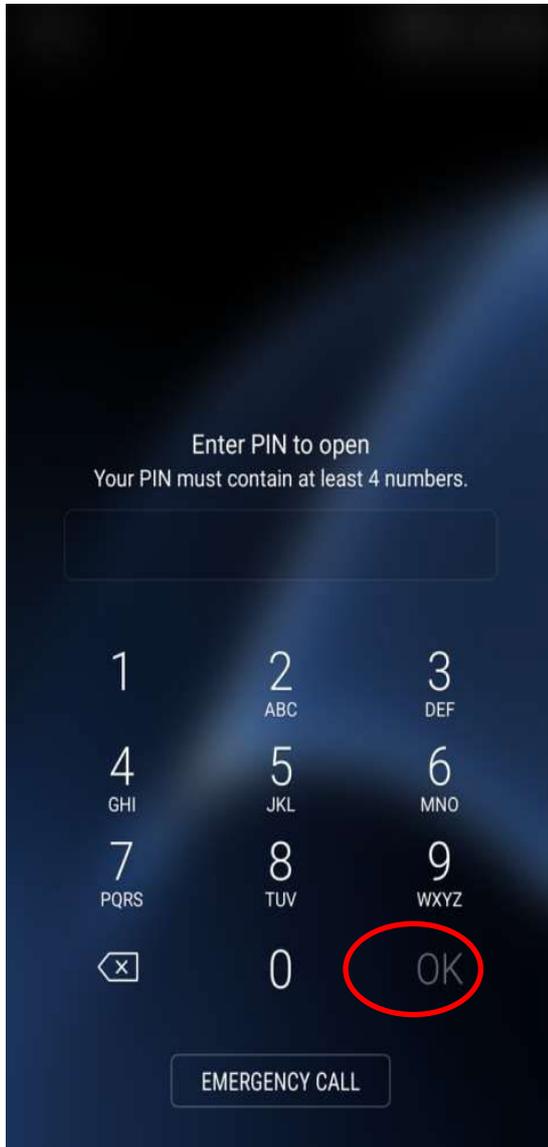






Enter PIN

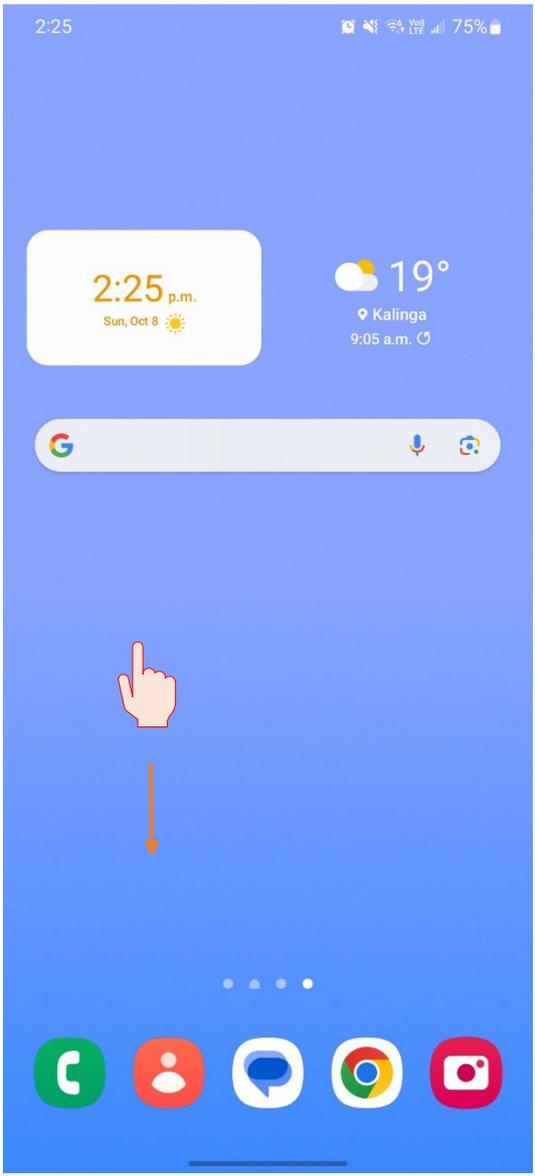
Image from: <https://gadgetguideonline.com/s7/galaxy-s7-online-manual/galaxy-s7-lock-screen/>



Tap OK

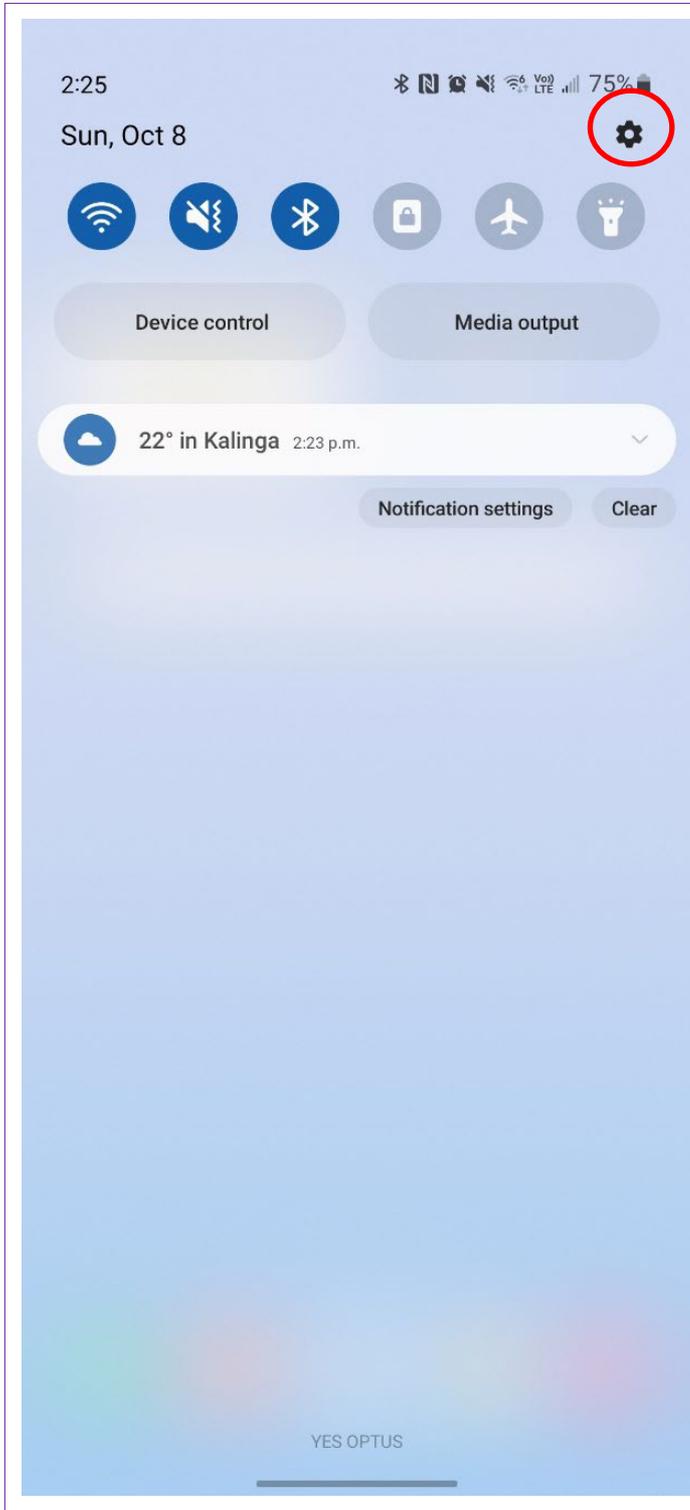
Image from: <https://gadgetguideonline.com/s7/galaxy-s7-online-manual/galaxy-s7-lock-screen/>

Turn off PIN

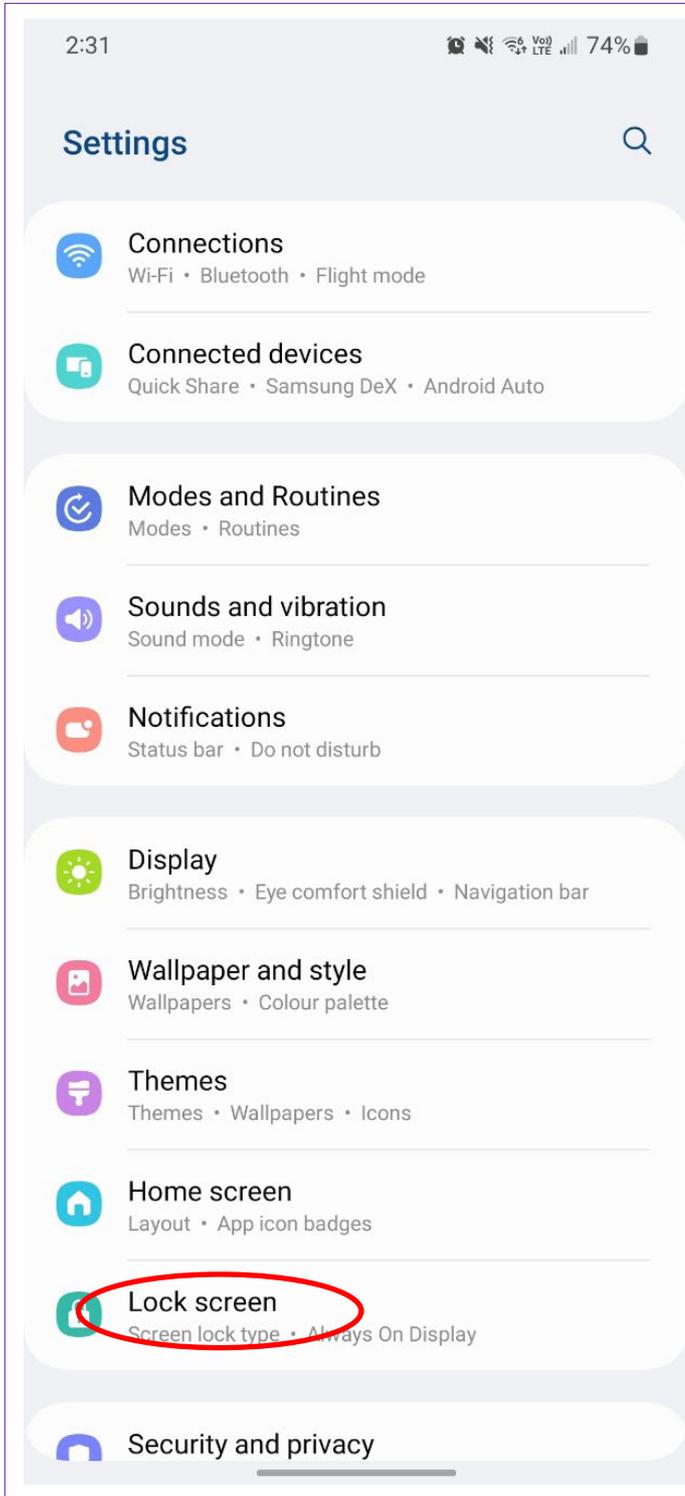


The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25, and the battery is at 75%. A weather widget shows 19°C in Kalinga. A Google search bar is visible. At the bottom, there are five dock icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with a downward-pointing arrow is positioned in the center of the screen to indicate the 'swipe down' gesture.

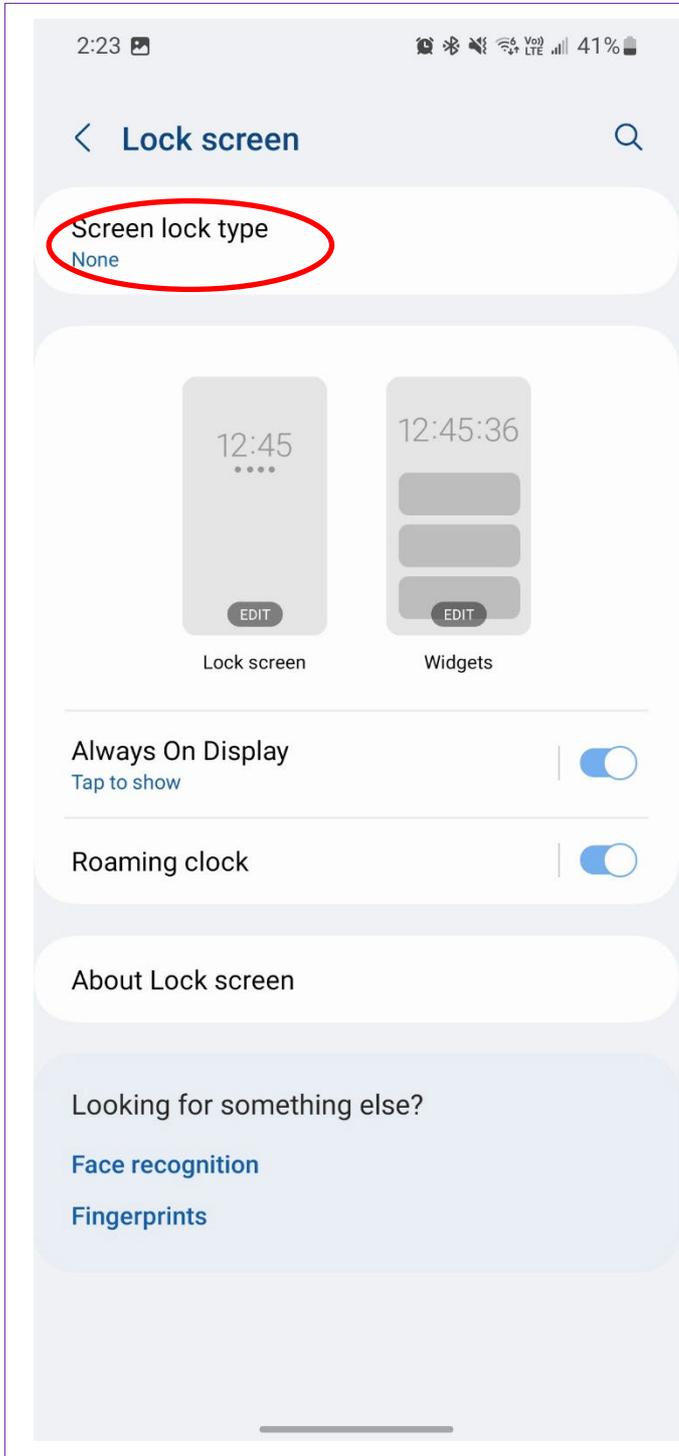
Swipe down



Tap **settings**

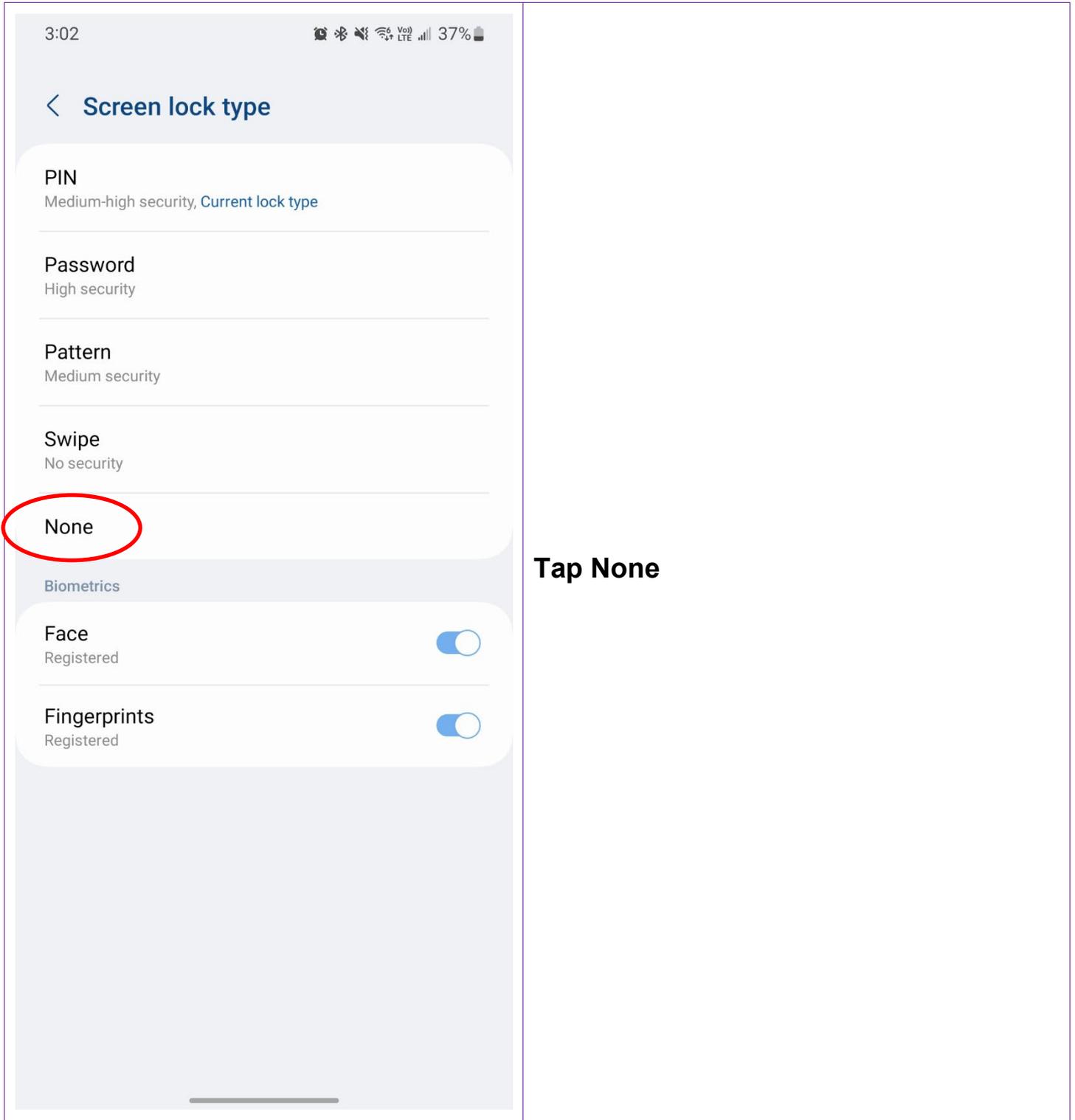


Tap Lock screen



Tap screen lock type

- Enter PIN



3:02 37%

< Screen lock type

PIN
Medium-high security, Current lock type

Password
High security

Pattern
Medium security

Swipe
No security

None

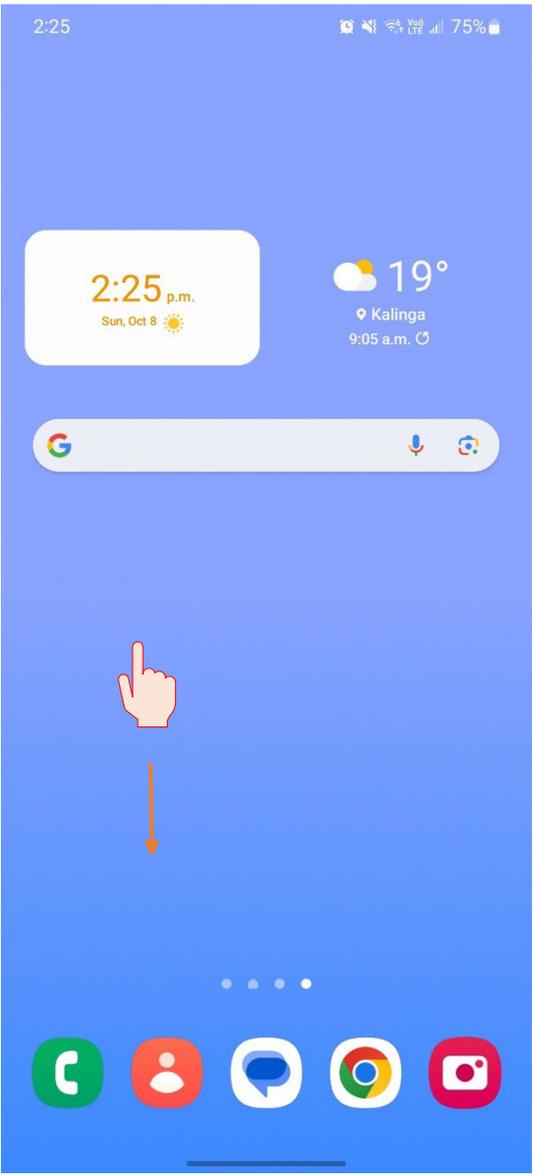
Biometrics

Face
Registered

Fingerprints
Registered

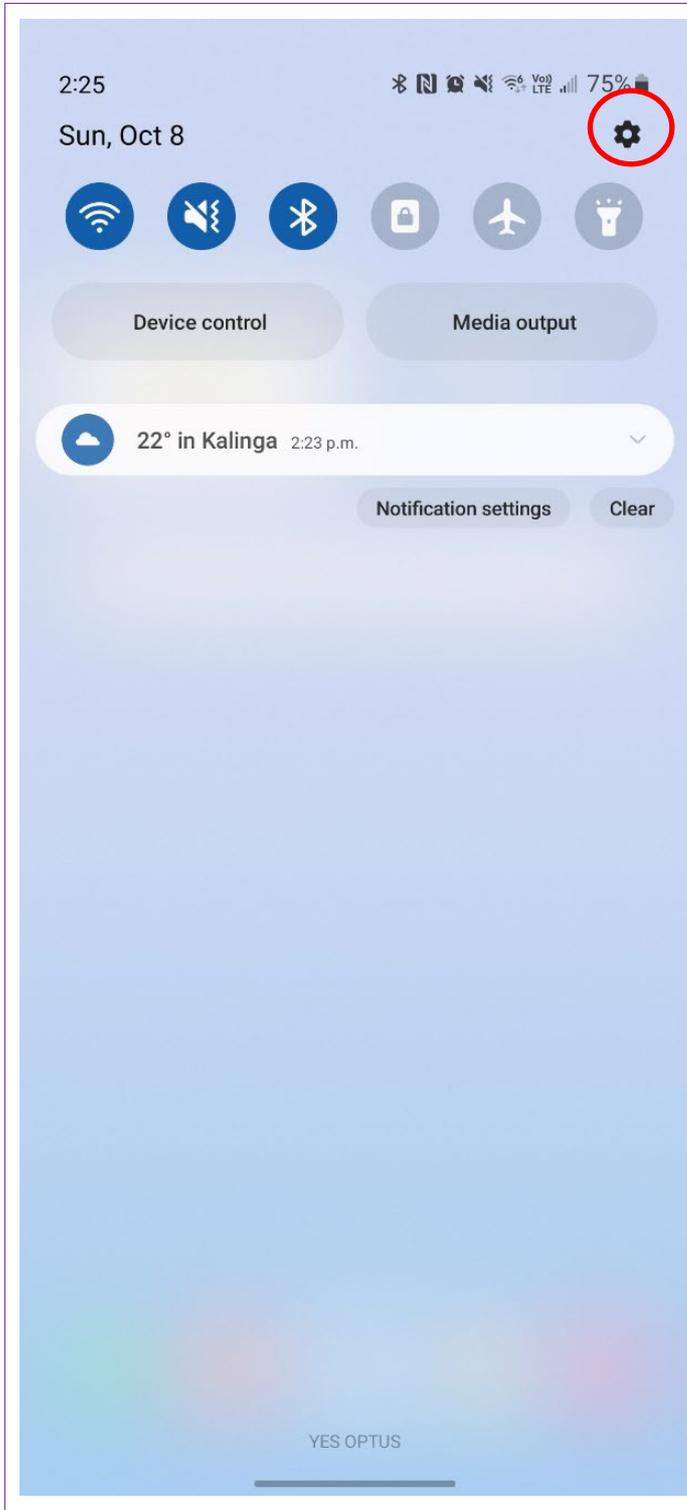
Tap None

Turn off Password

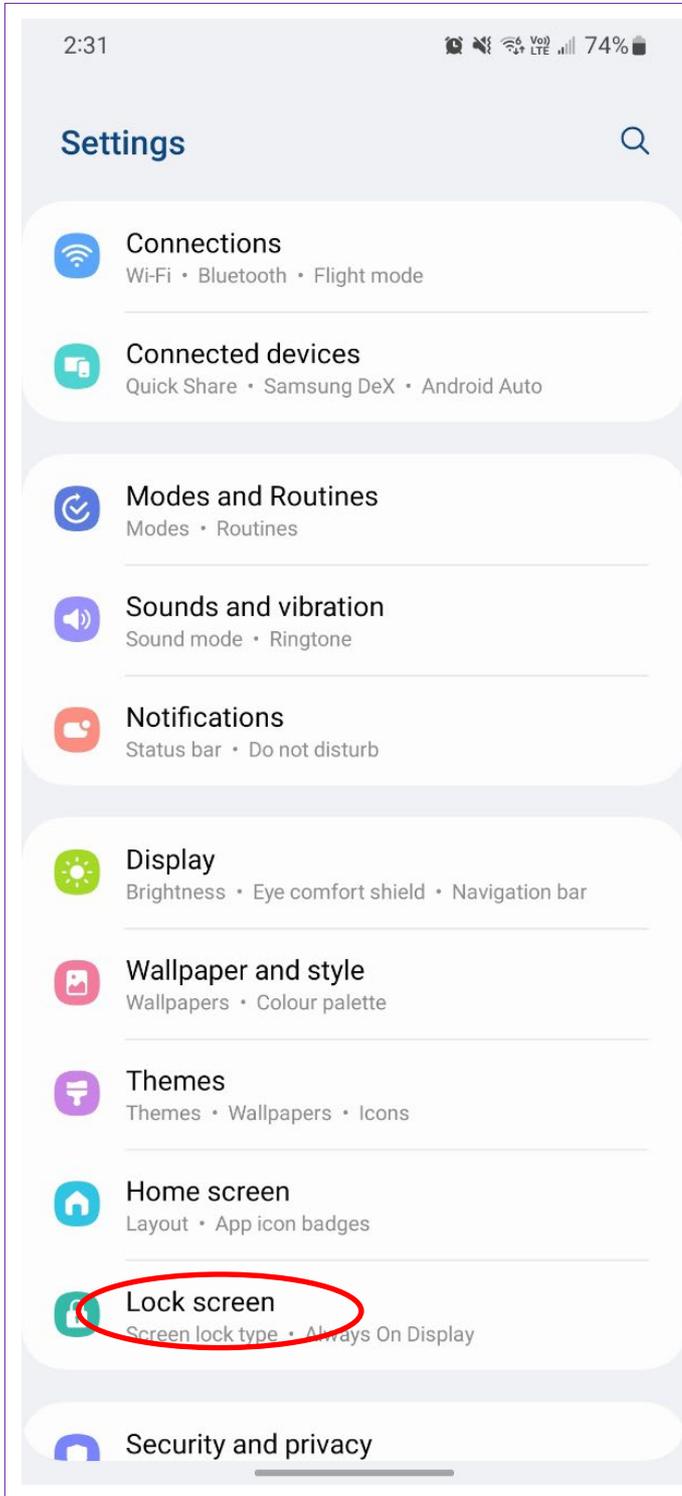


The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25, and the battery is at 75%. Below the time is a weather widget showing 19°C in Kalinga. A Google search bar is visible. At the bottom, there are five dock icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with a downward-pointing arrow is positioned in the center of the screen, indicating the 'swipe down' gesture.

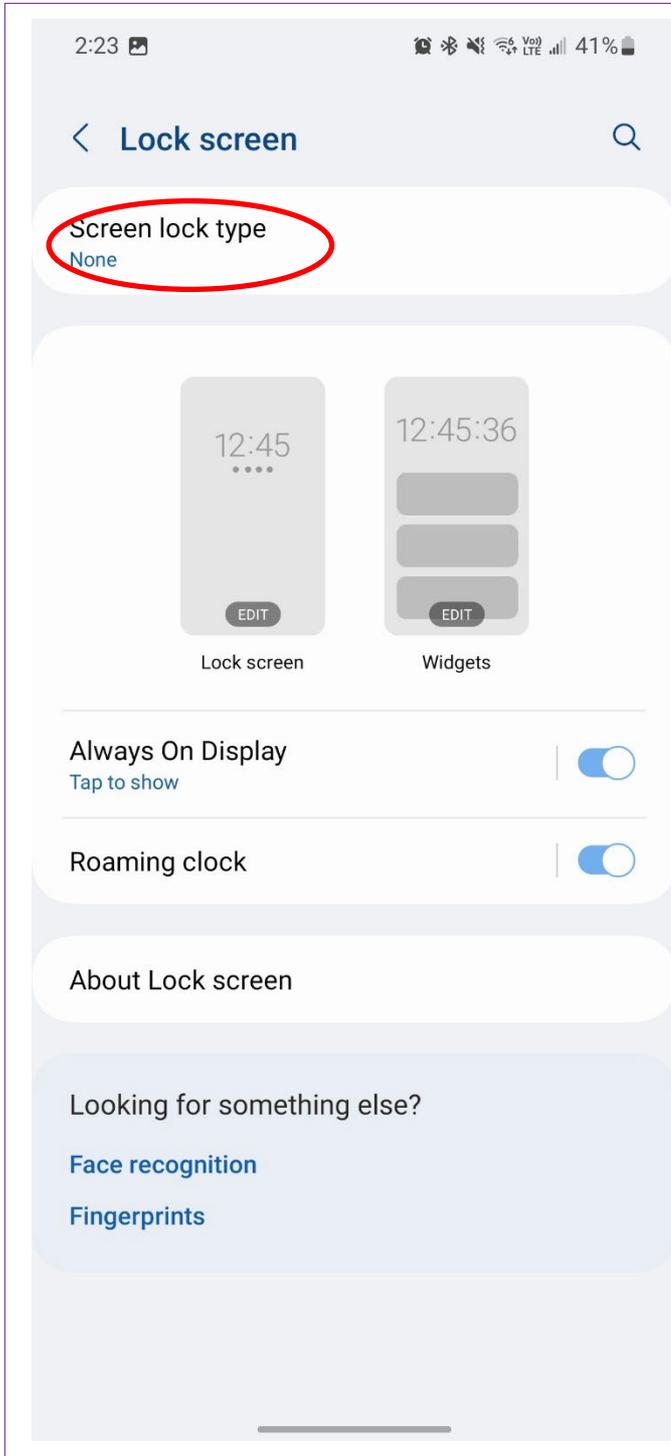
Swipe down



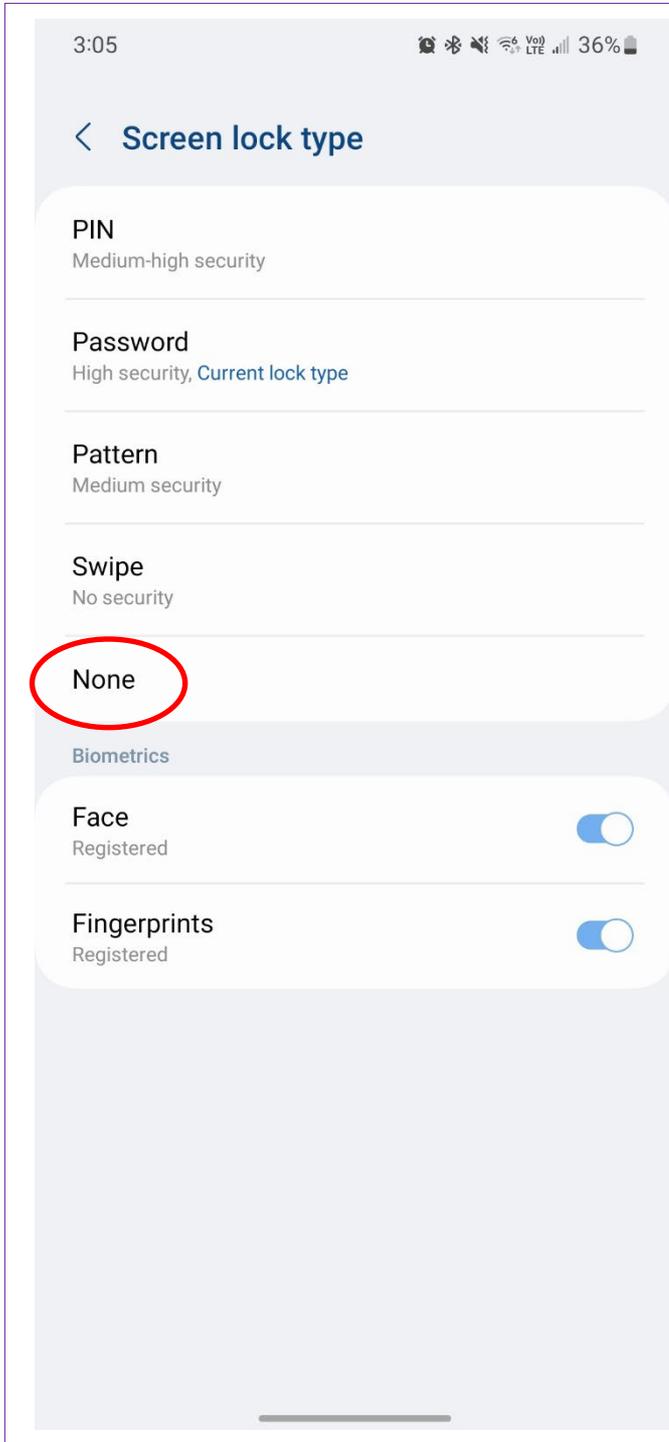
Tap **settings**



Tap Lock screen

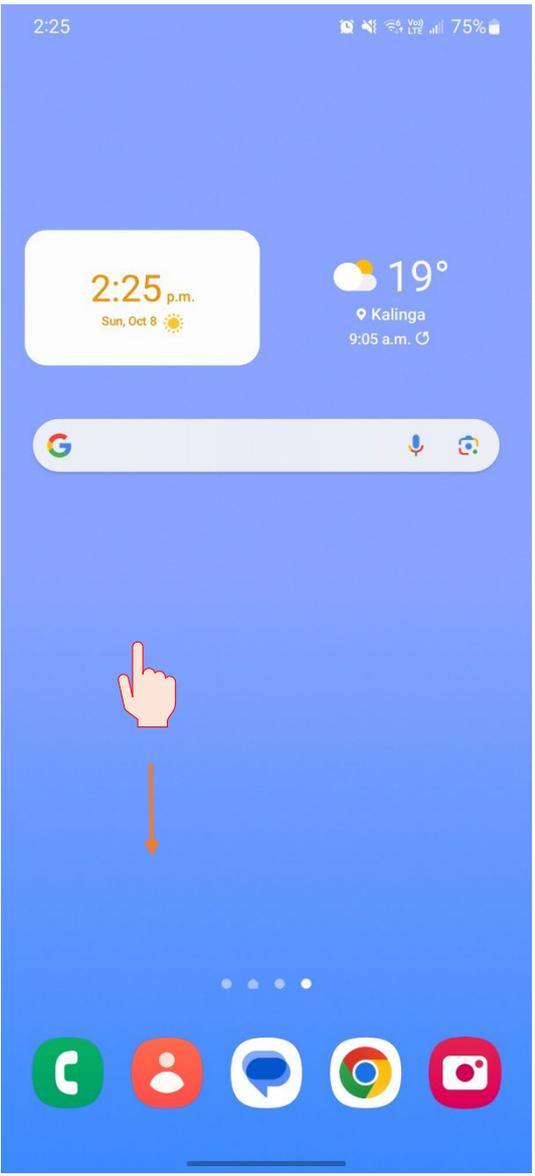


Tap screen lock type
Enter password



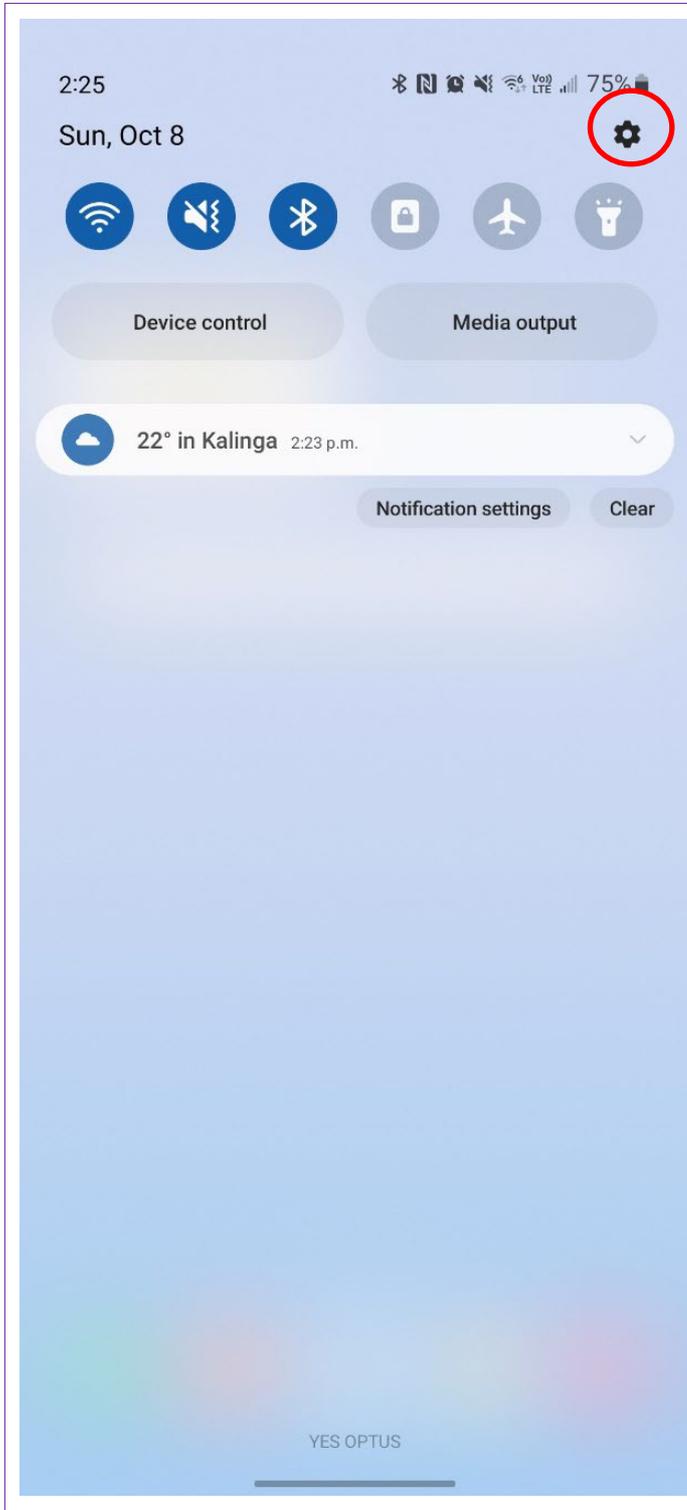
Tap None

Turn off Pattern

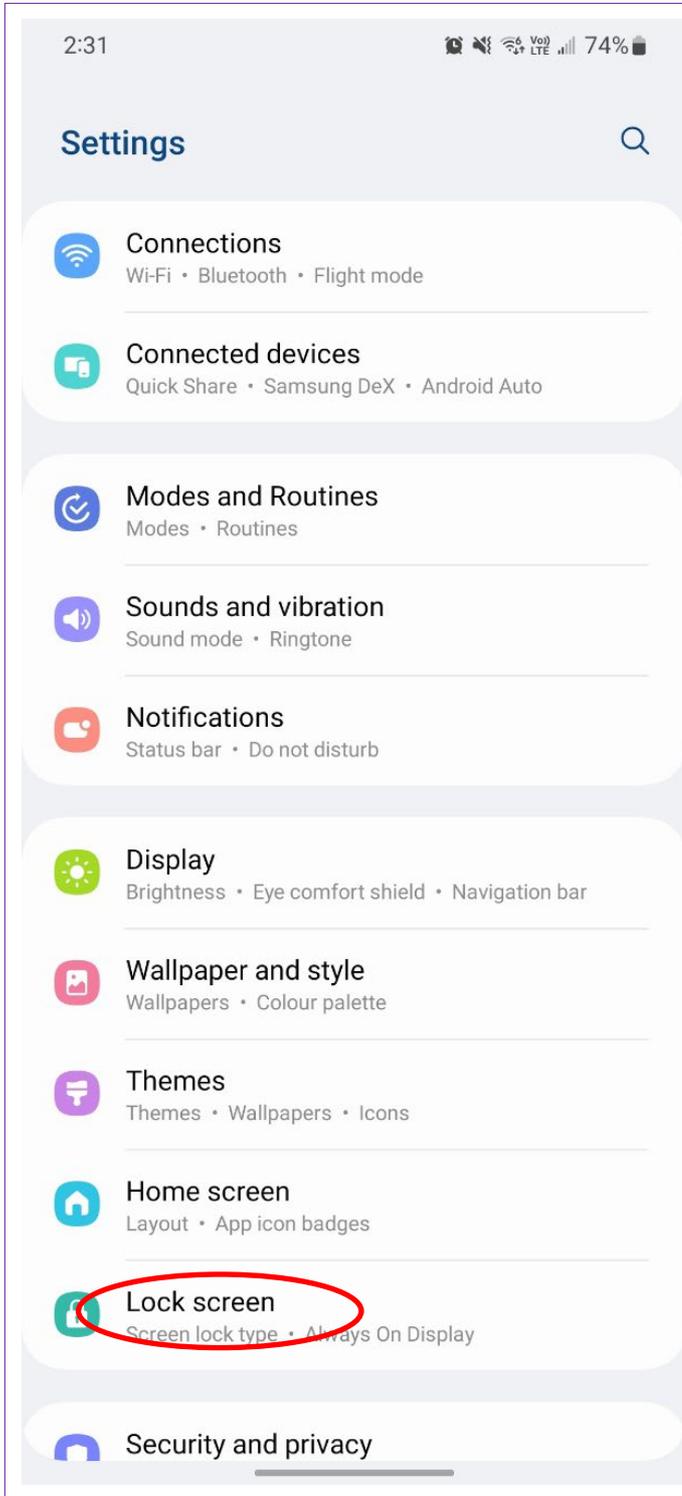


The screenshot shows an Android phone home screen with a blue background. At the top, the time is 2:25 and the battery is at 75%. Below the time is a weather widget showing 19°C in Kalinga. A Google search bar is in the middle. At the bottom is a dock with icons for Phone, Contacts, Messages, Chrome, and Camera. A hand icon with a downward arrow is positioned in the center of the screen, indicating a swipe down gesture.

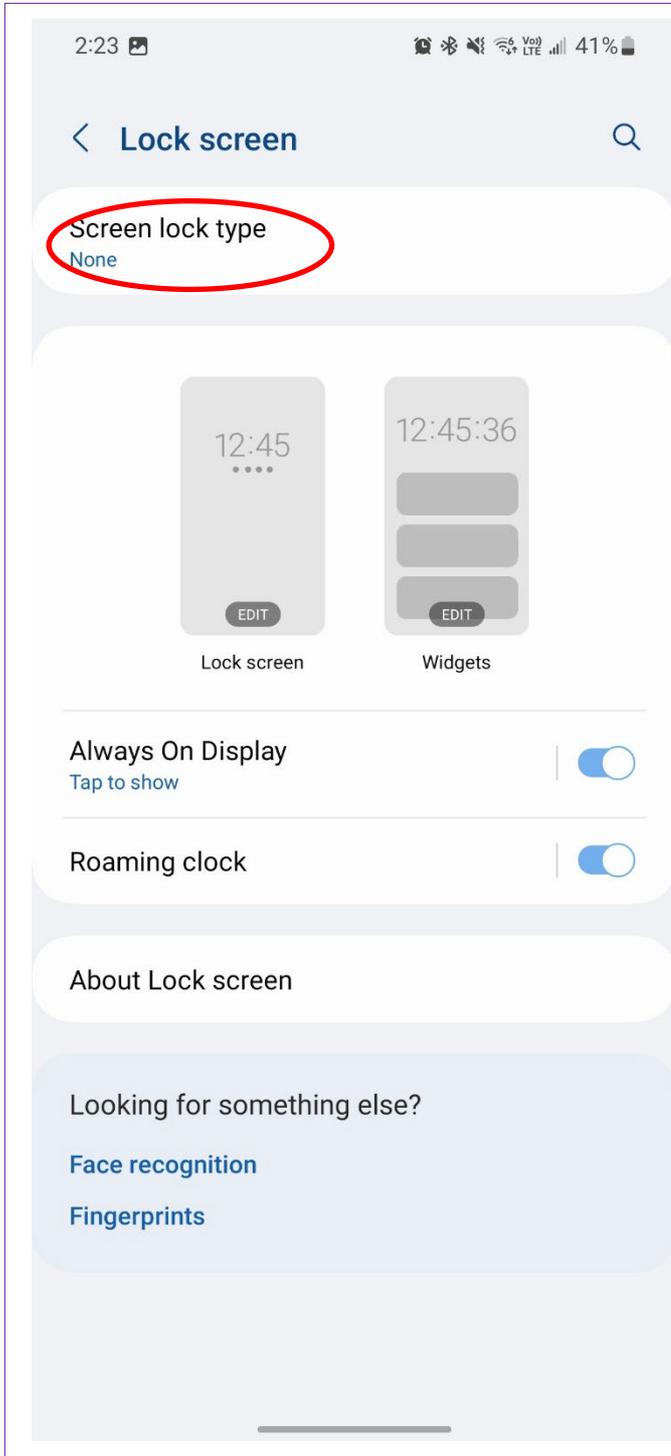
Swipe down



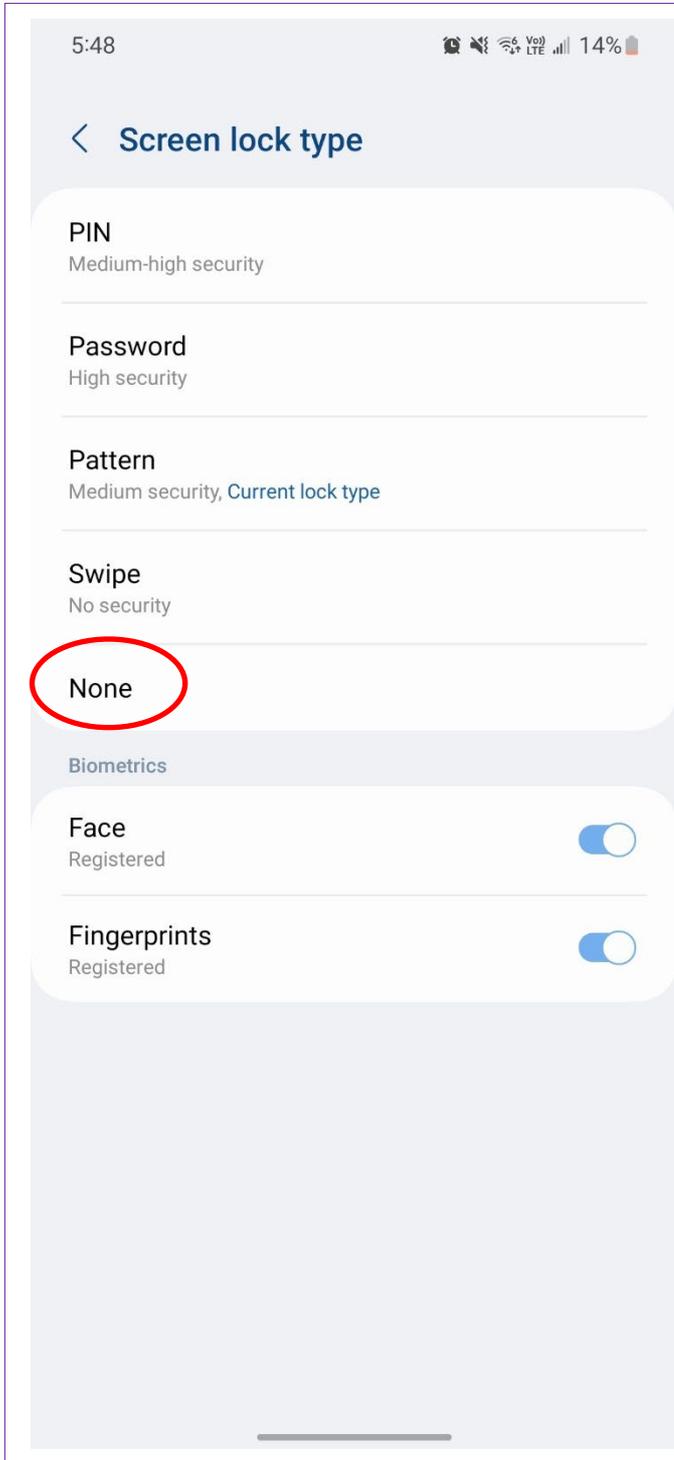
Tap **settings**



Tap Lock screen

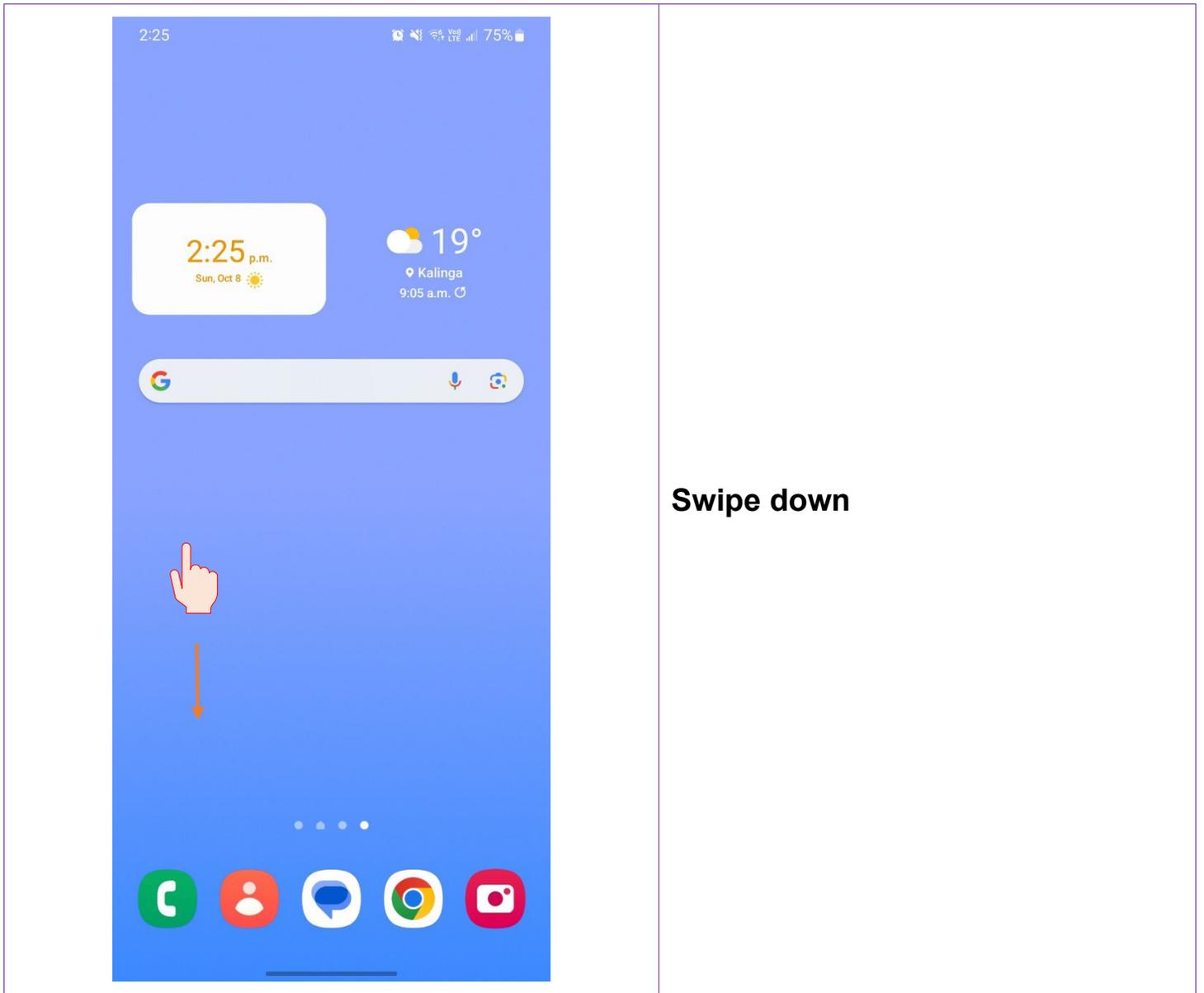


Tap screen lock type
Enter pattern

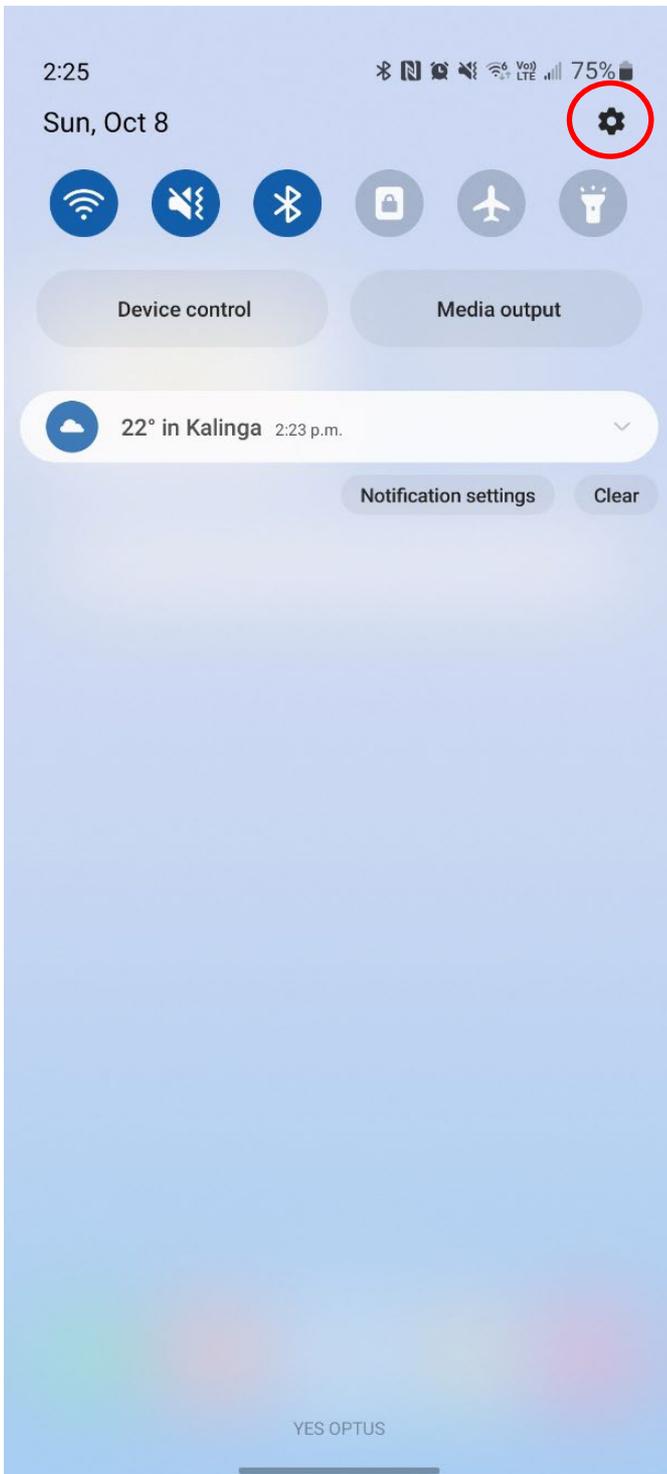


Tap None

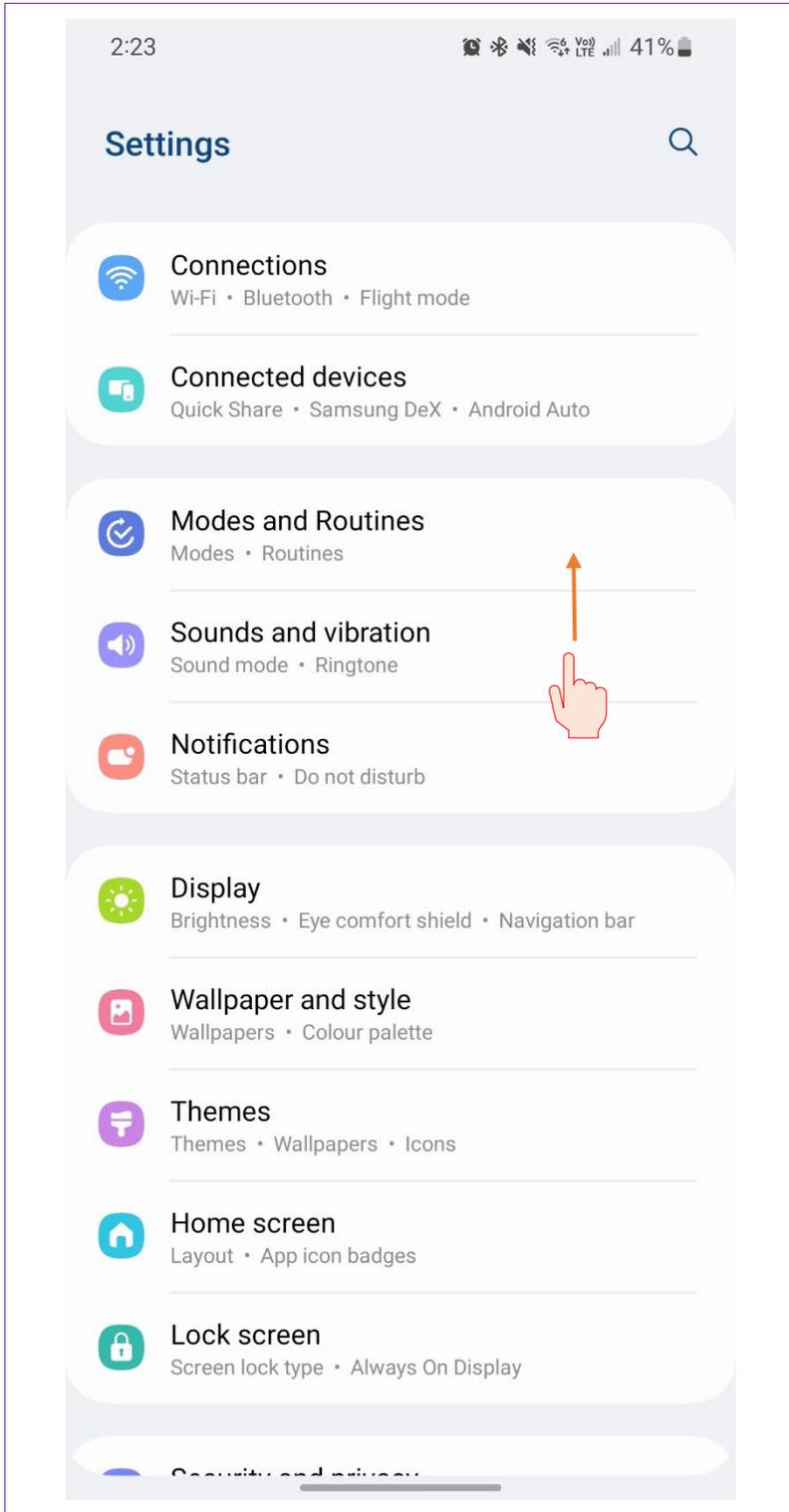
Set up fingerprint recognition



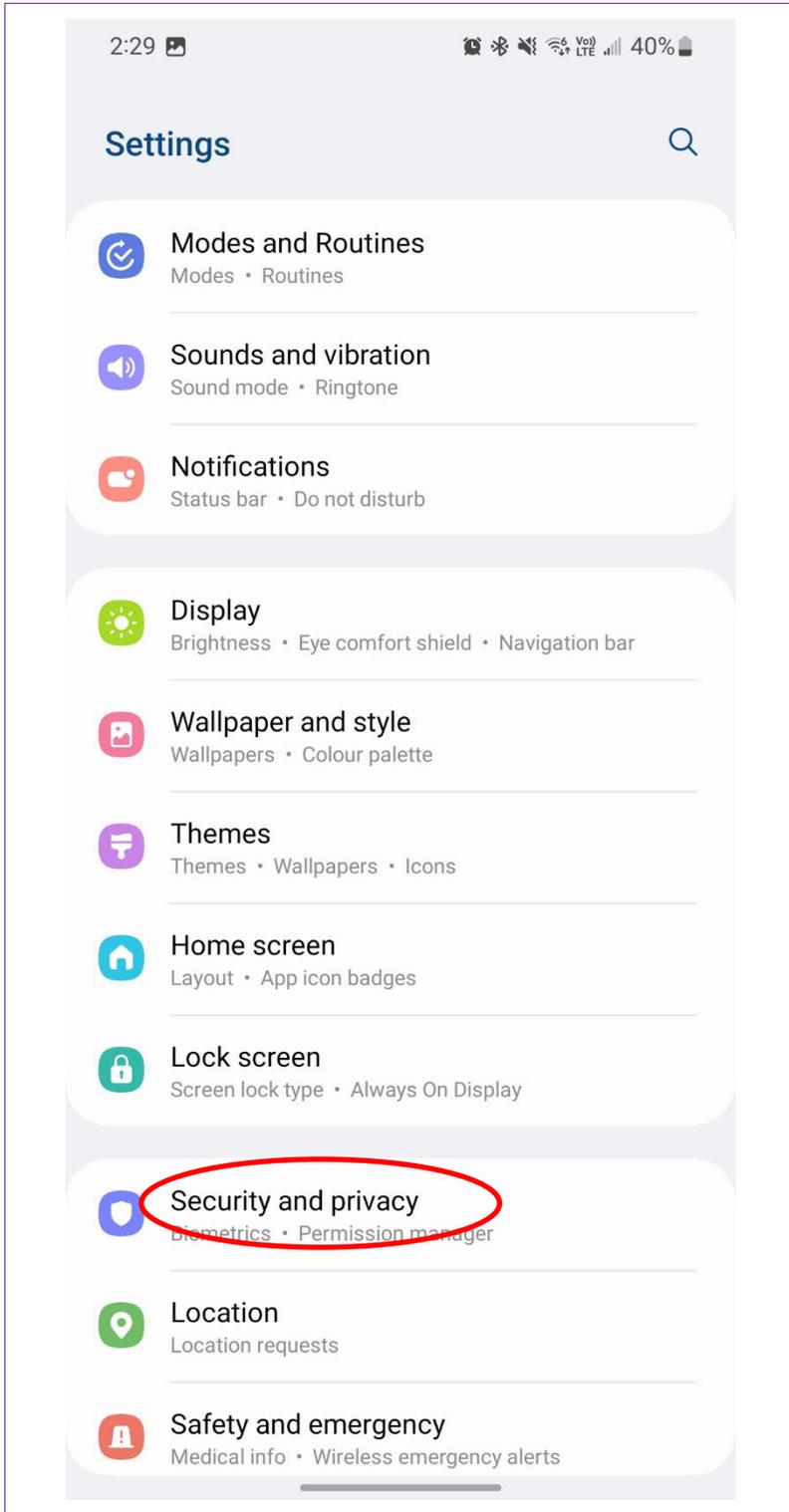
Swipe down



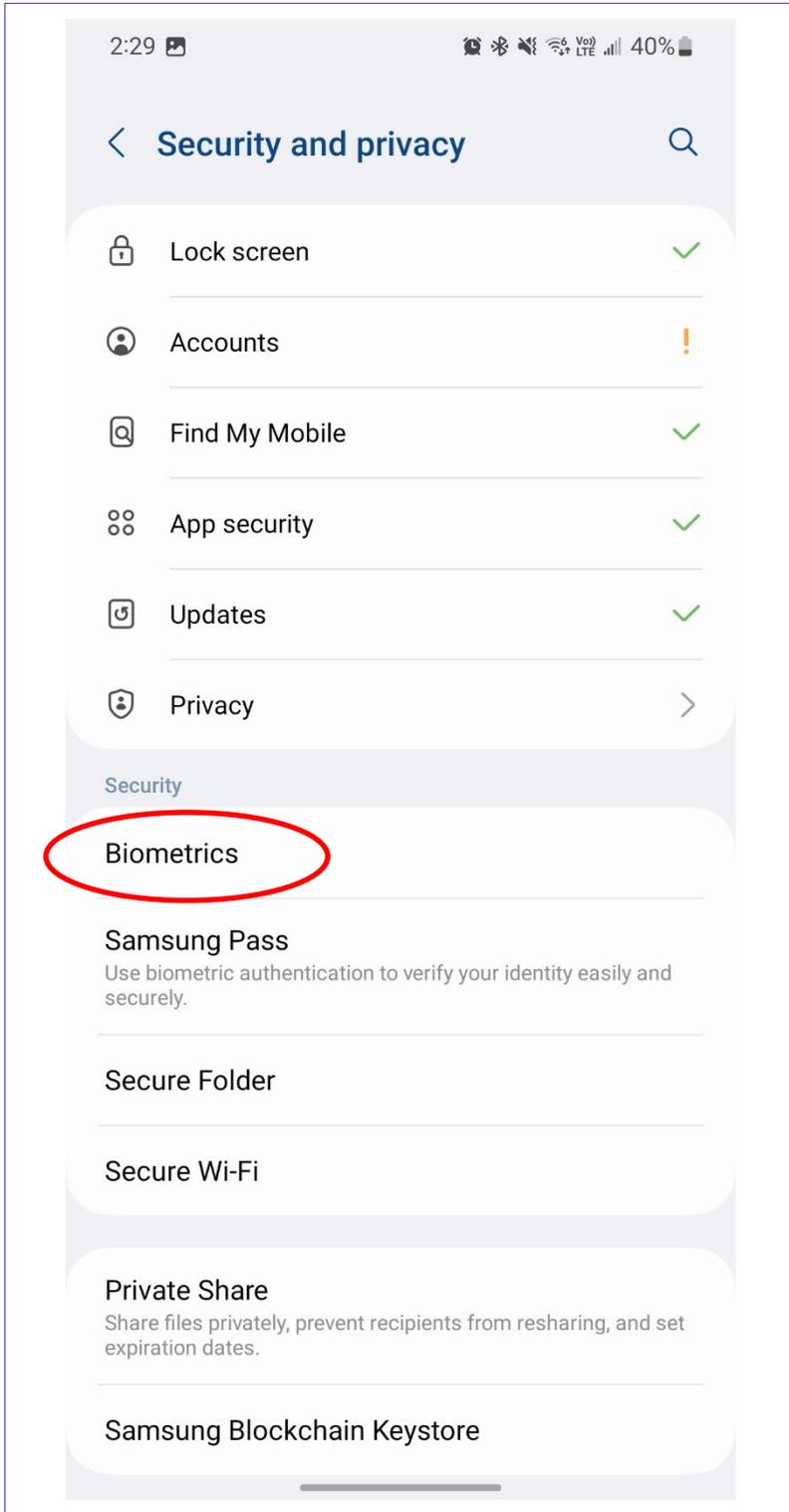
Tap **settings**



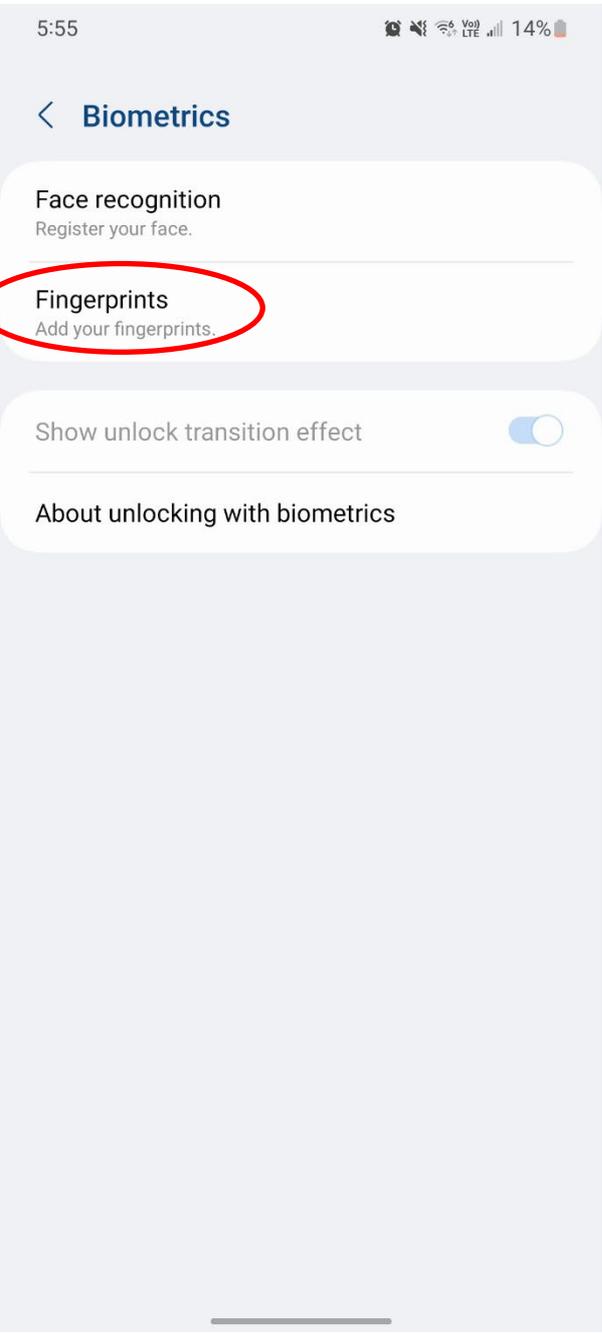
Swipe up for more options



Tap Security and privacy



Tap Biometrics



5:55 📶 VoIP LTE 📶 14%

< **Biometrics**

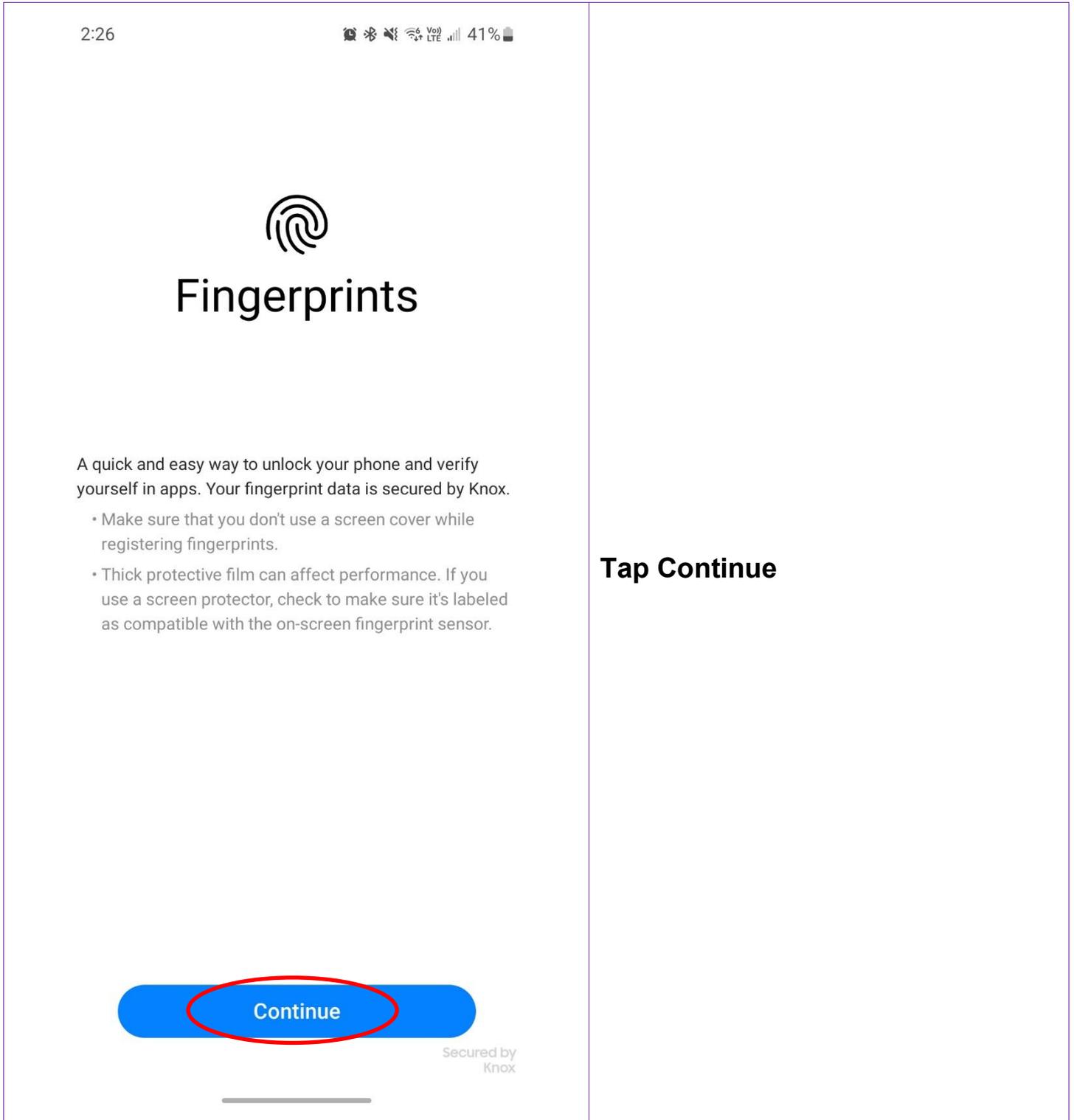
Face recognition
Register your face.

Fingerprints
Add your fingerprints.

Show unlock transition effect

About unlocking with biometrics

Tap Fingerprints
Enter your security method



2:26

VoLTE 41%



Fingerprints

A quick and easy way to unlock your phone and verify yourself in apps. Your fingerprint data is secured by Knox.

- Make sure that you don't use a screen cover while registering fingerprints.
- Thick protective film can affect performance. If you use a screen protector, check to make sure it's labeled as compatible with the on-screen fingerprint sensor.

Continue

Secured by Knox

Tap Continue



To get the best scan, press with the pad of your finger inside the circle, then lift it when the circle is fully highlighted. Repeat until you reach 100%.

Note that the location of the circle will move a little each time.

Register

Tap Register

Press your finger inside the circle. Lift it
when the circle is fully highlighted, then press
again.

0%



Secured by
Knox

Press and lift finger in circle

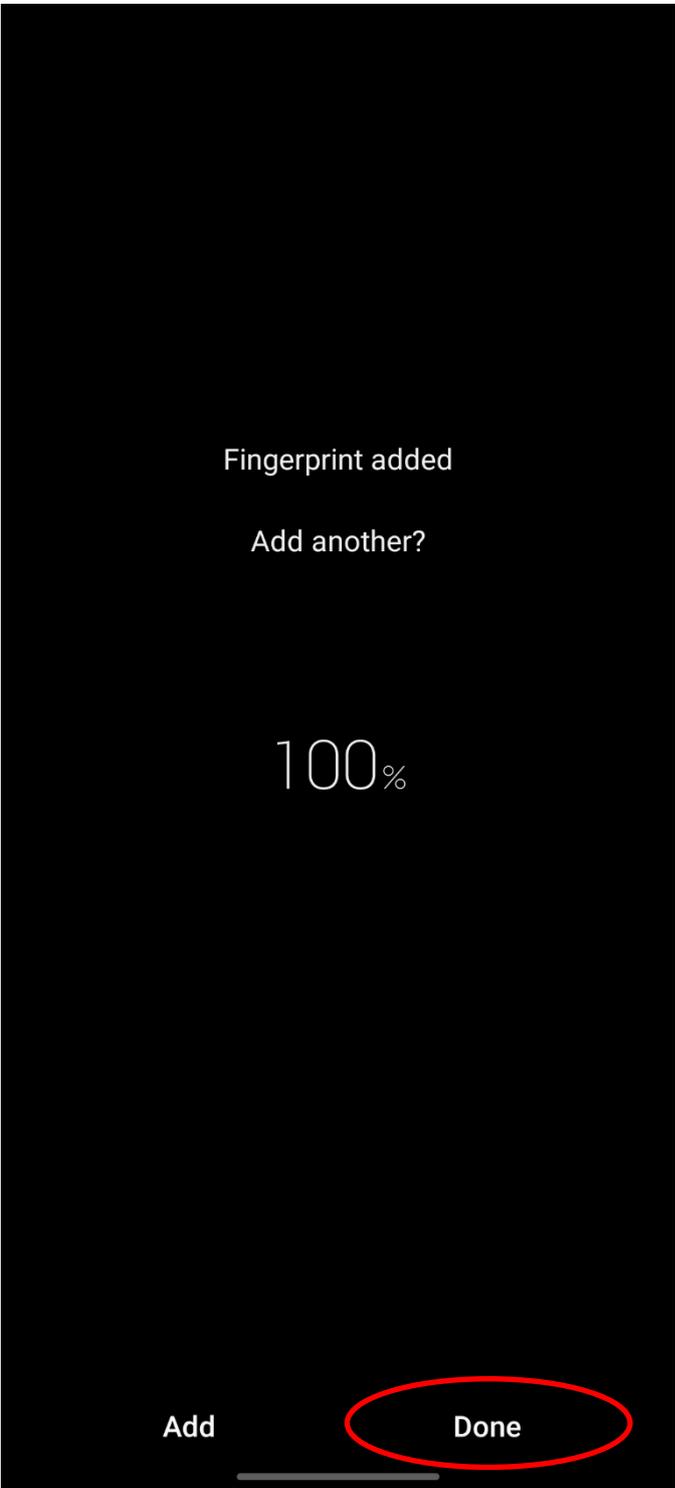
Fingerprint added

Add another?

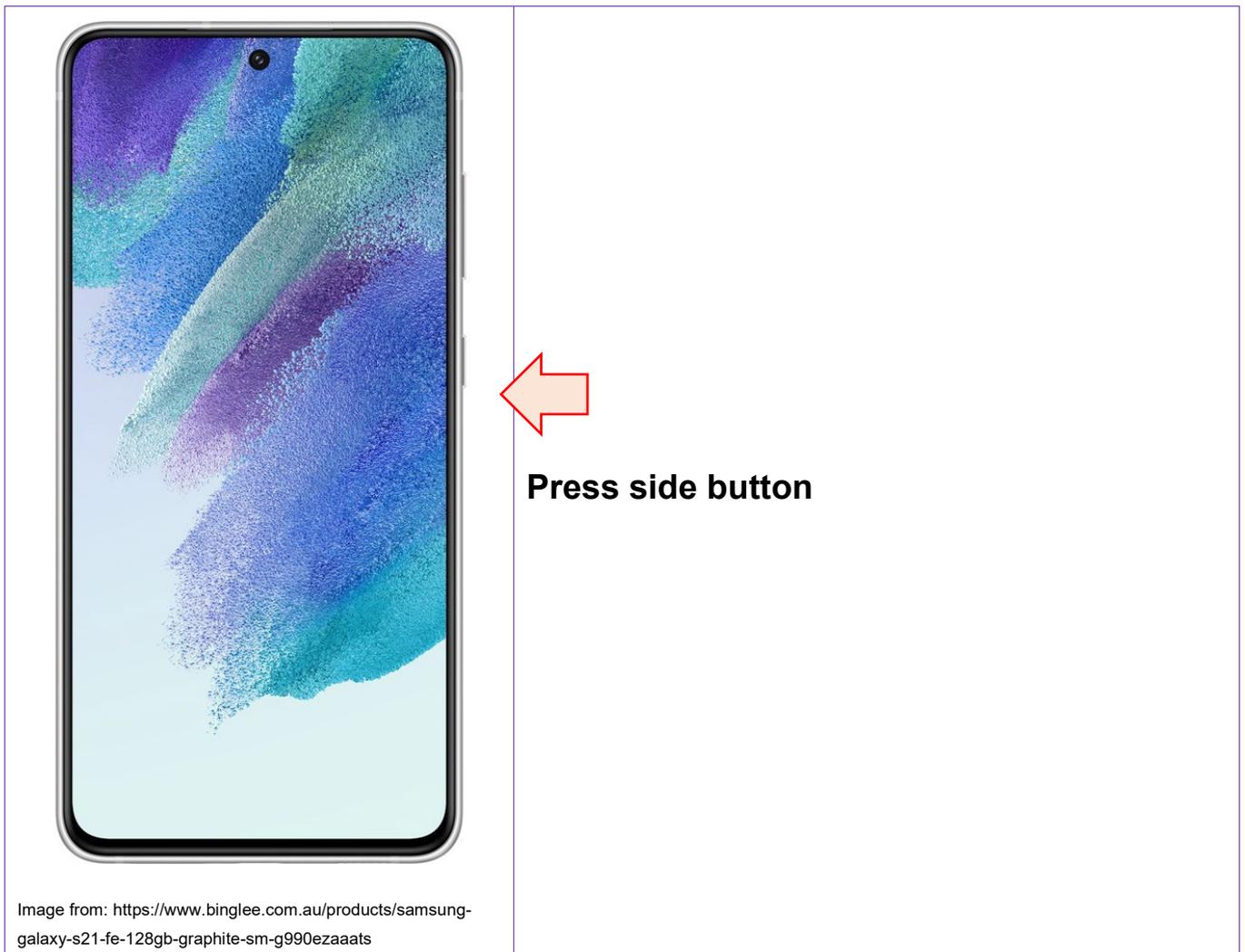
100%

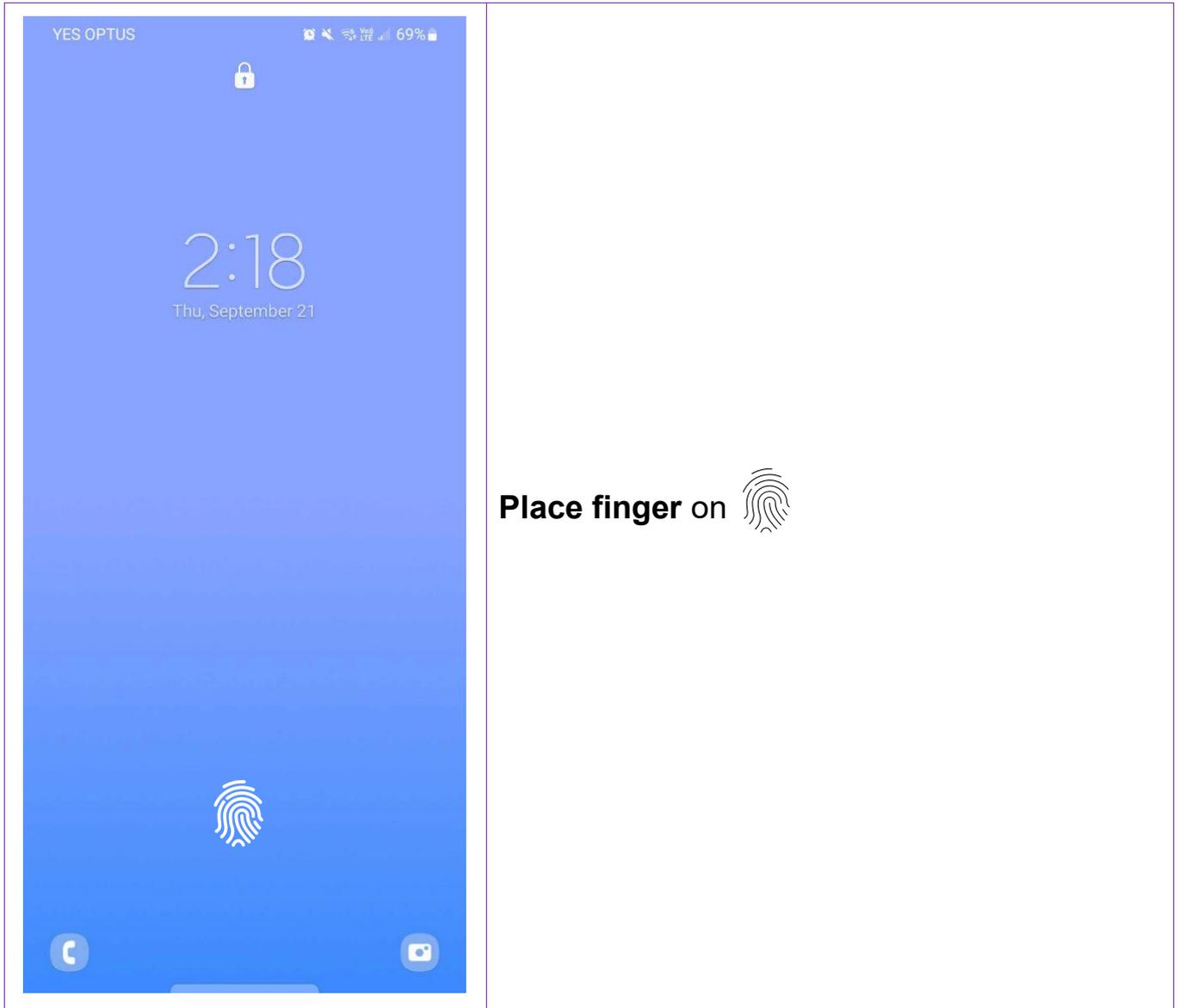


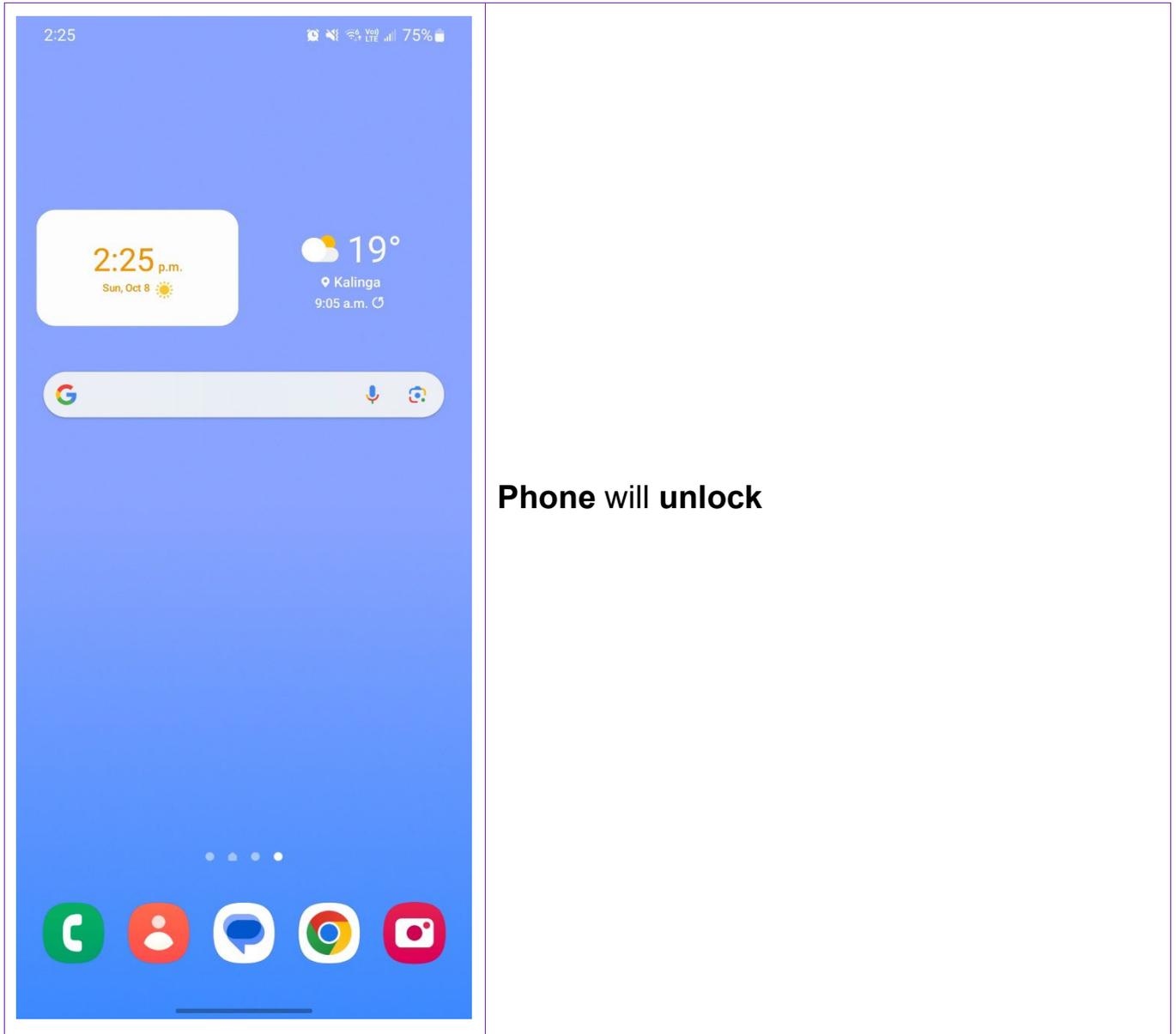
Repeat until 100%

	<p>Tap Done</p>
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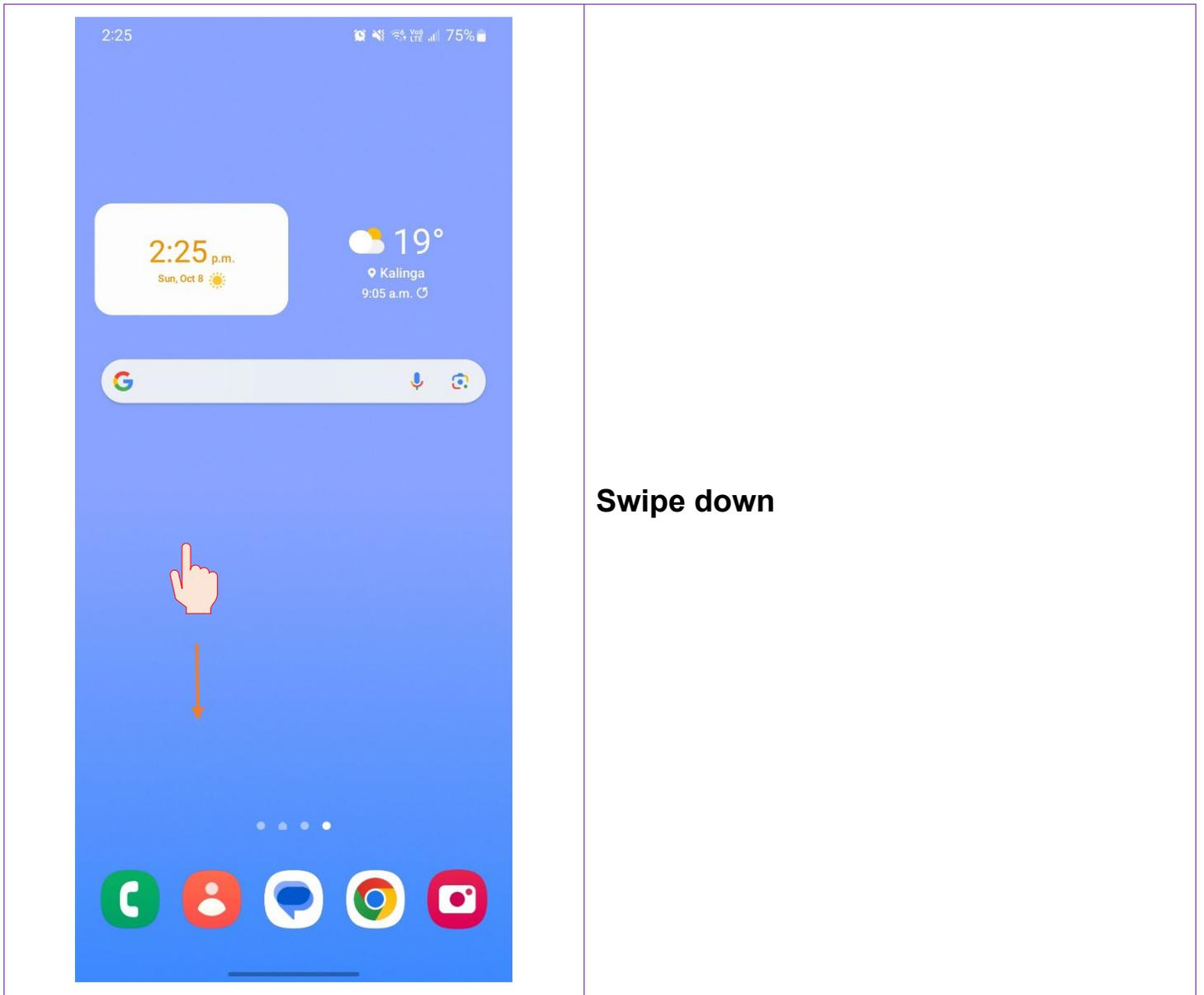
Use fingerprint recognition



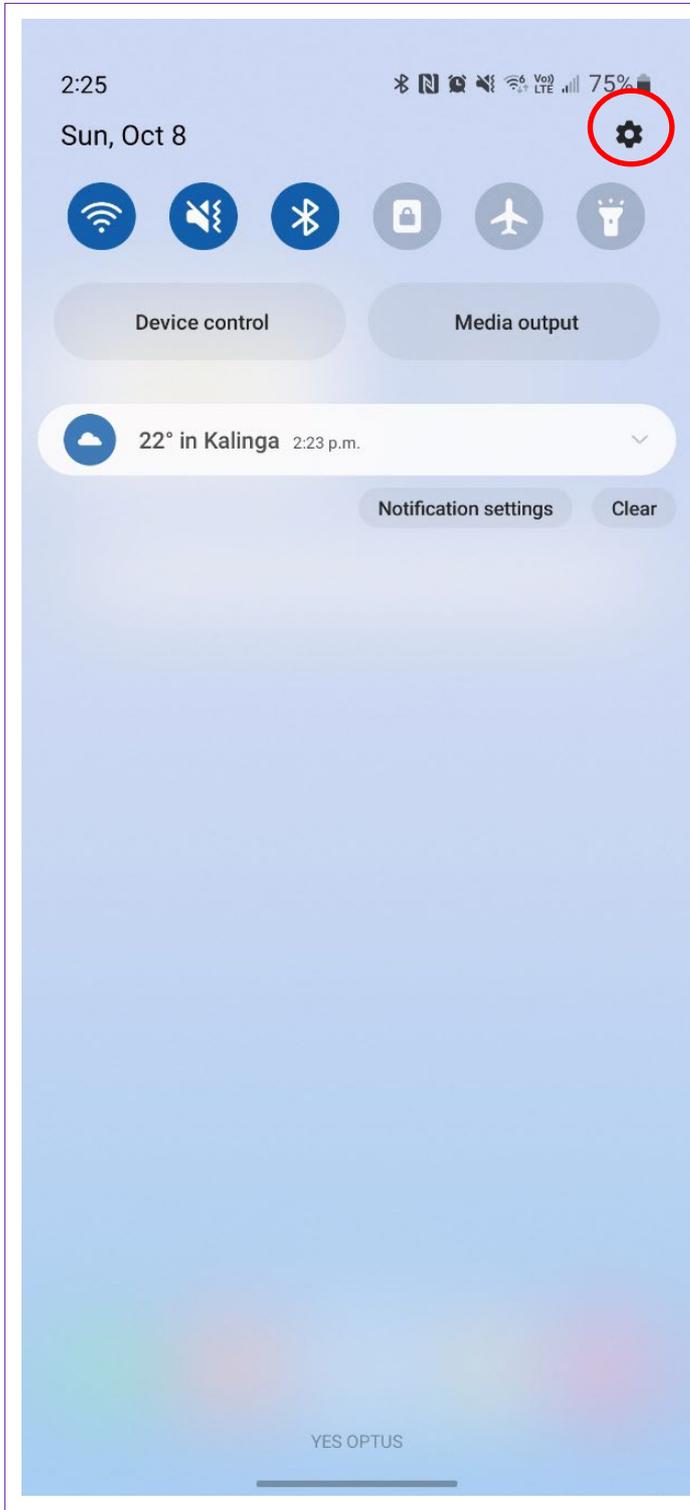




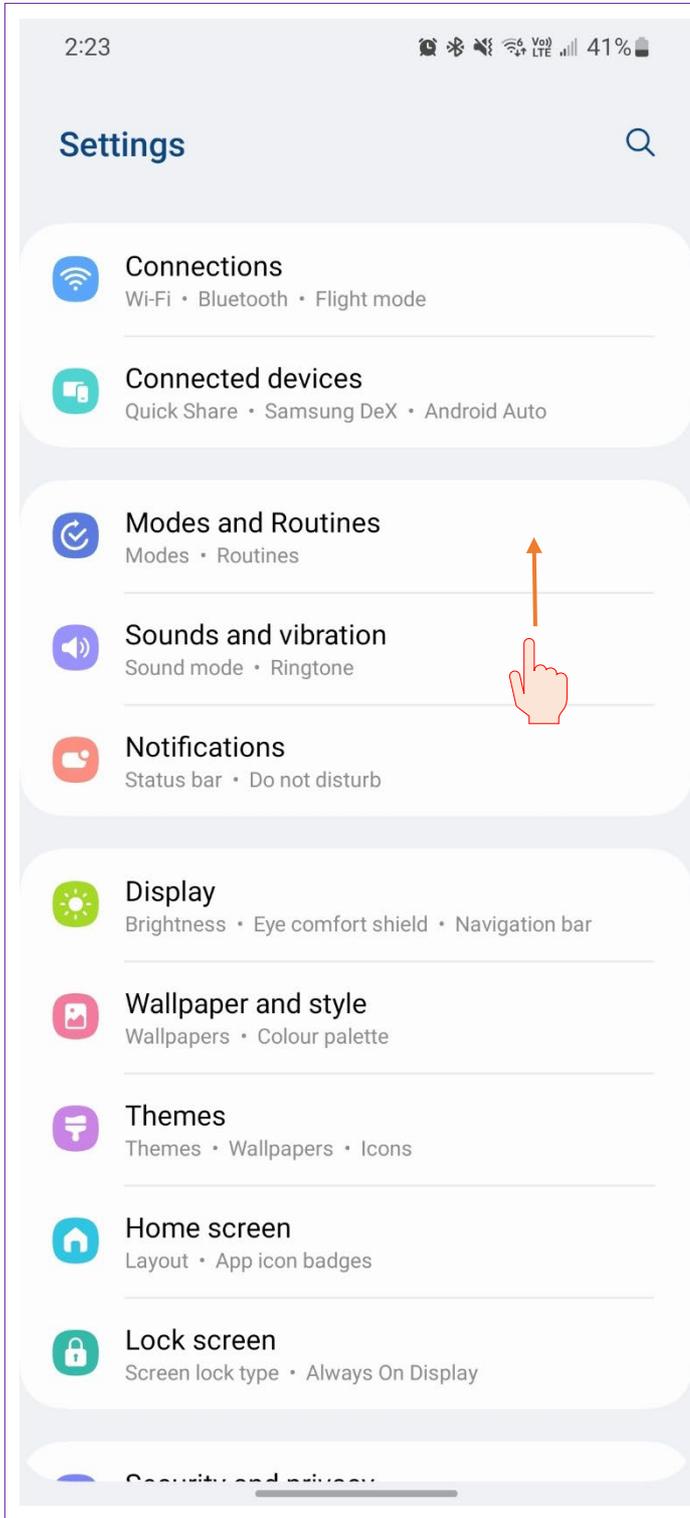
Set up face recognition



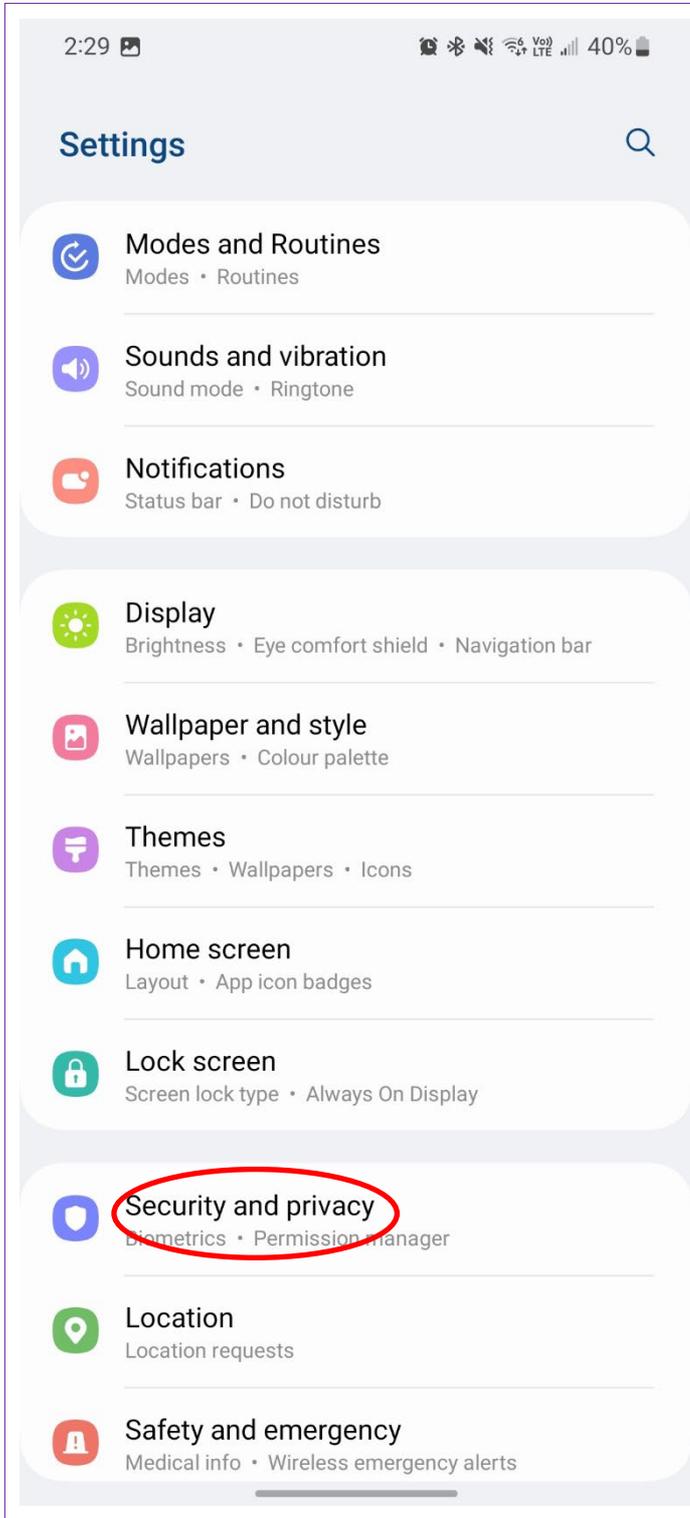
Swipe down



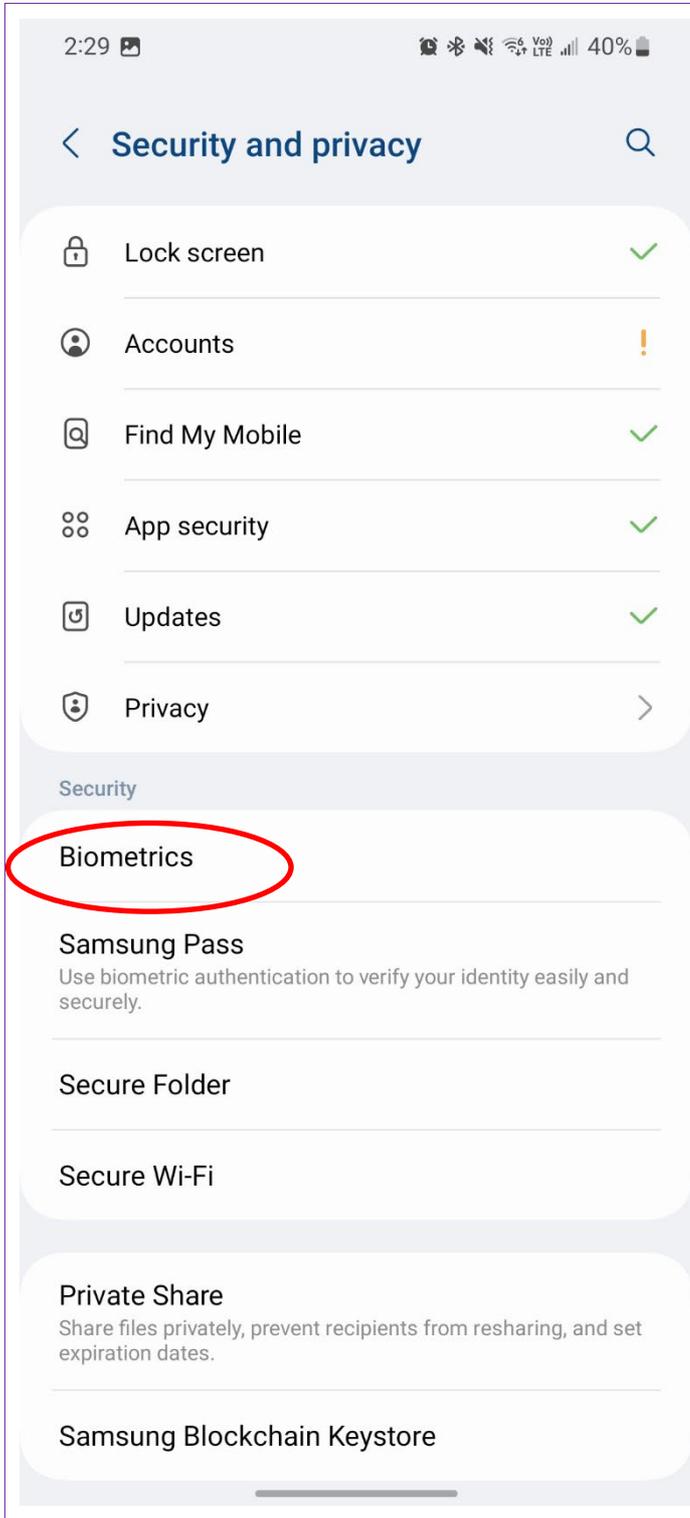
Tap **settings**



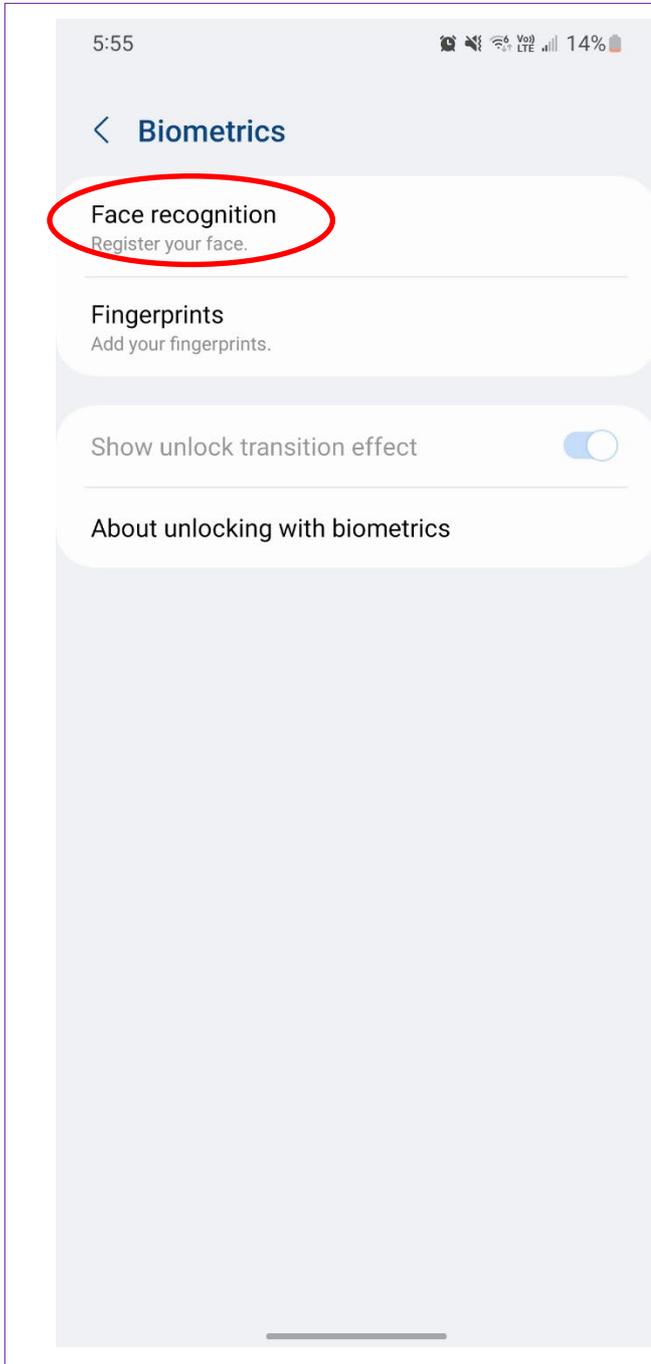
Swipe up for more options



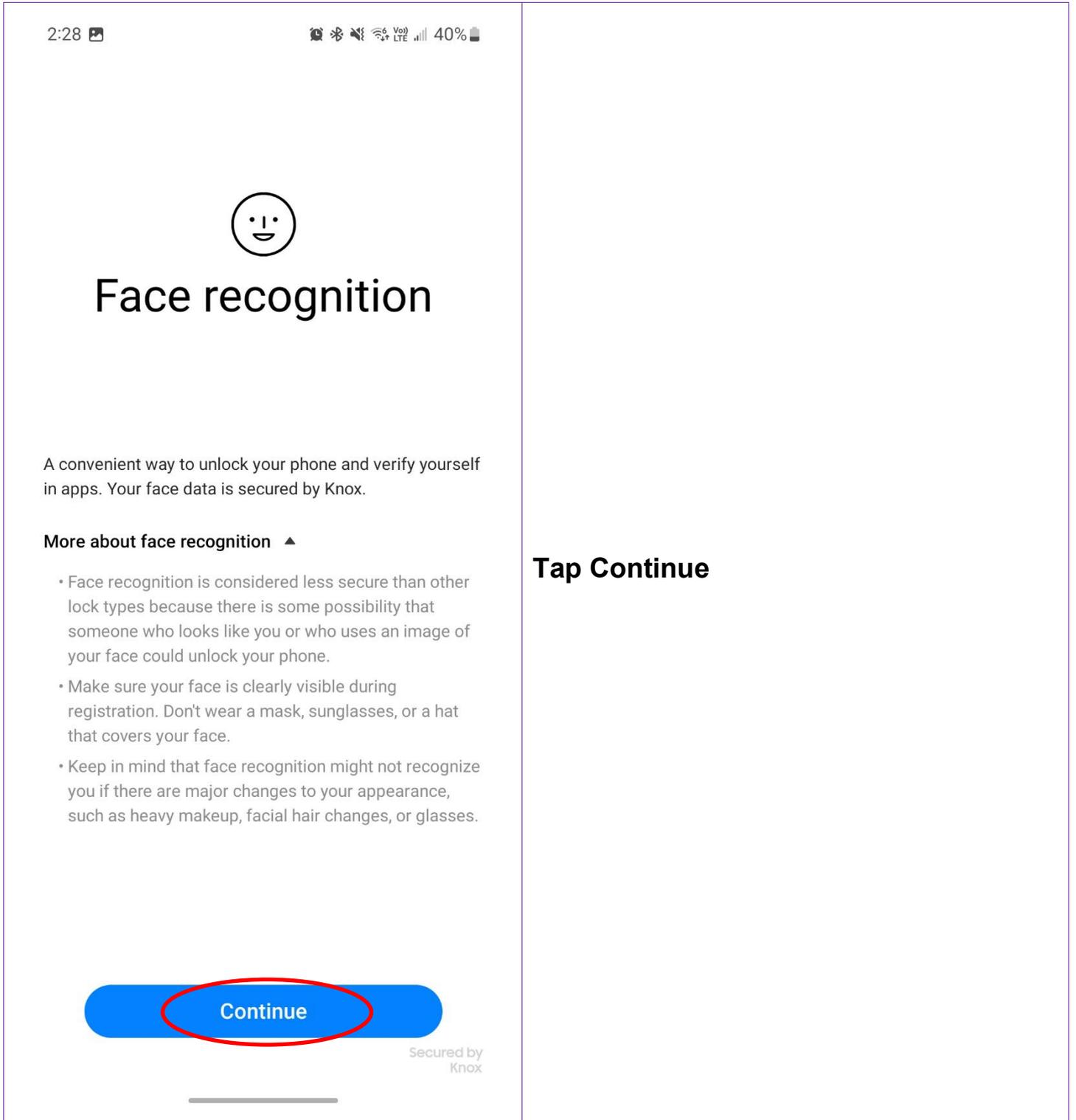
Tap Security and privacy



Tap Biometrics



Tap face recognition
Enter security method



2:28      40%



Face recognition

A convenient way to unlock your phone and verify yourself in apps. Your face data is secured by Knox.

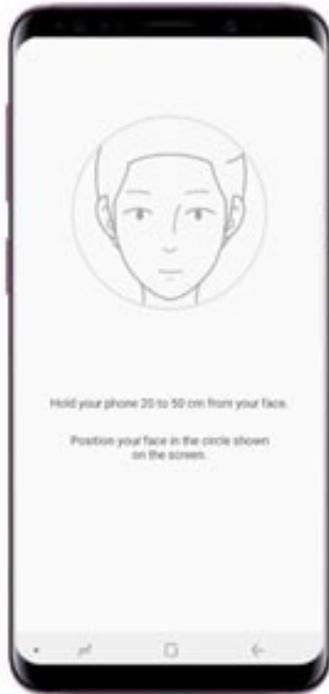
More about face recognition ▲

- Face recognition is considered less secure than other lock types because there is some possibility that someone who looks like you or who uses an image of your face could unlock your phone.
- Make sure your face is clearly visible during registration. Don't wear a mask, sunglasses, or a hat that covers your face.
- Keep in mind that face recognition might not recognize you if there are major changes to your appearance, such as heavy makeup, facial hair changes, or glasses.

Continue

Secured by Knox

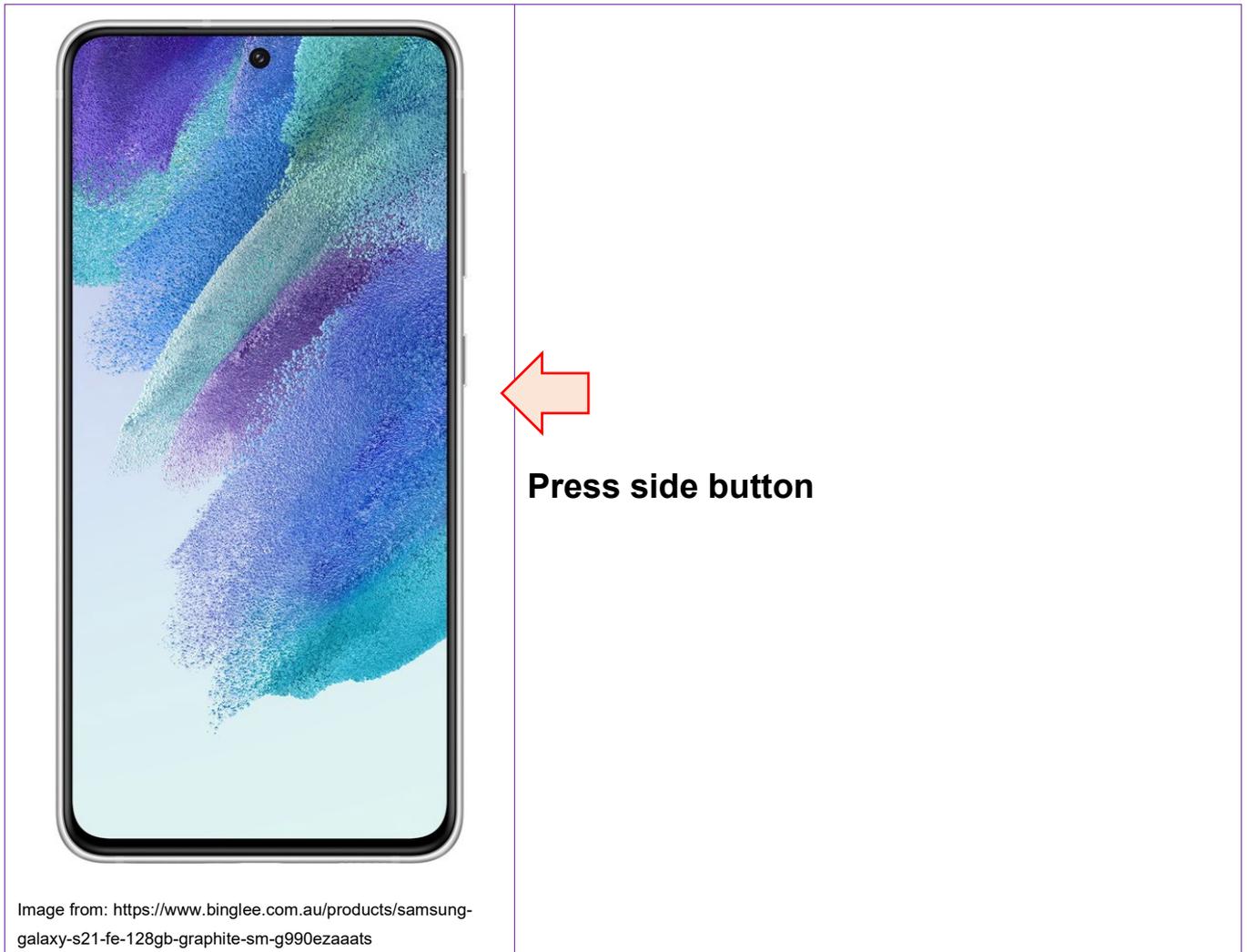
Tap Continue

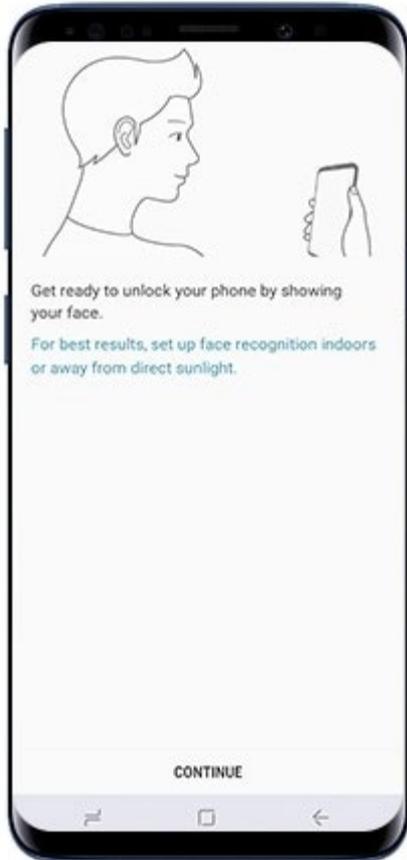


Hold phone 20 centimeters away from face
Position face inside the circle

Image from: https://www.samsung.com/africa_en/support/mobile-devices/how-do-i-use-face-recognition-to-unlock-my-galaxy-s9s9/

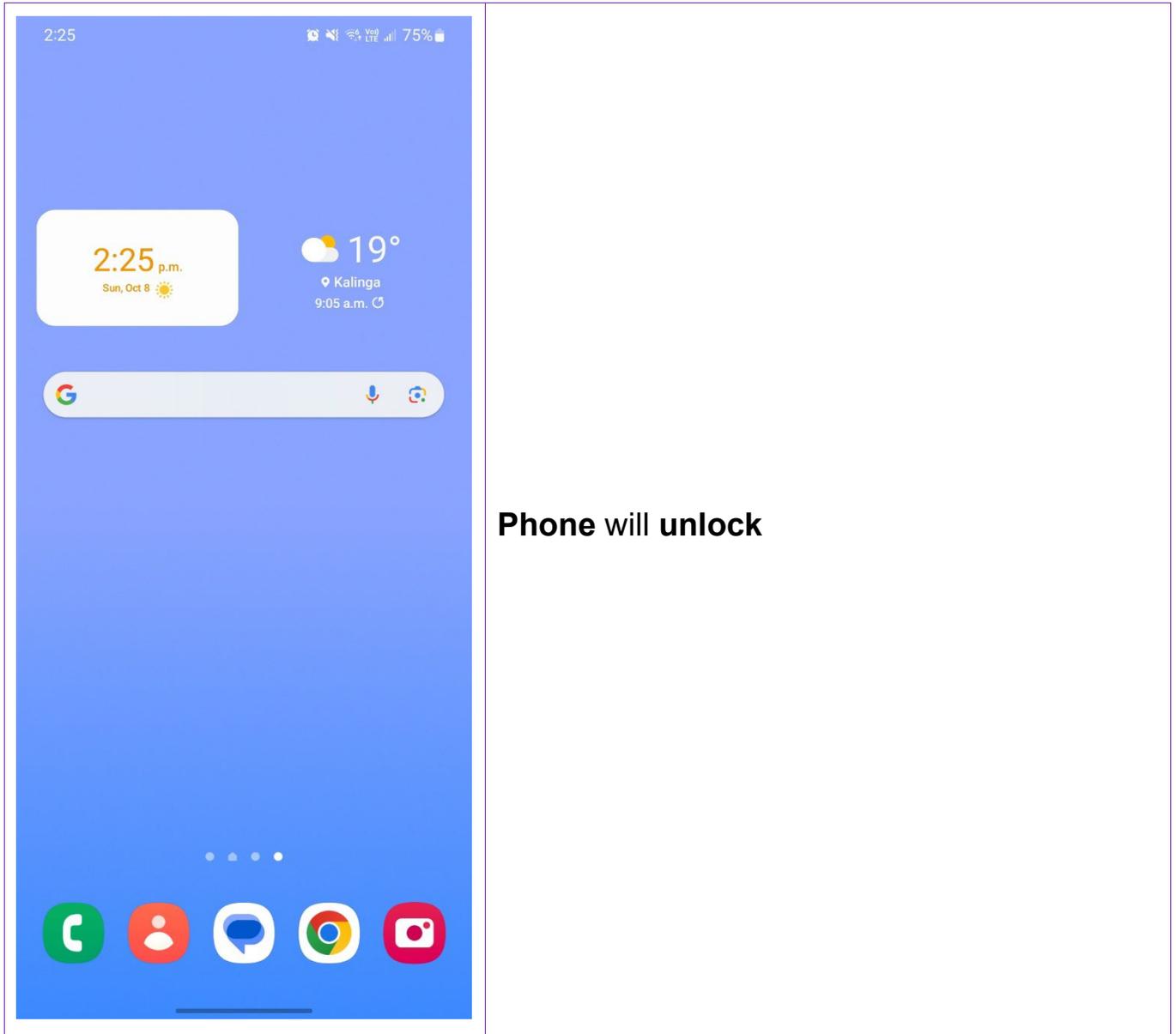
Use Facial Recognition



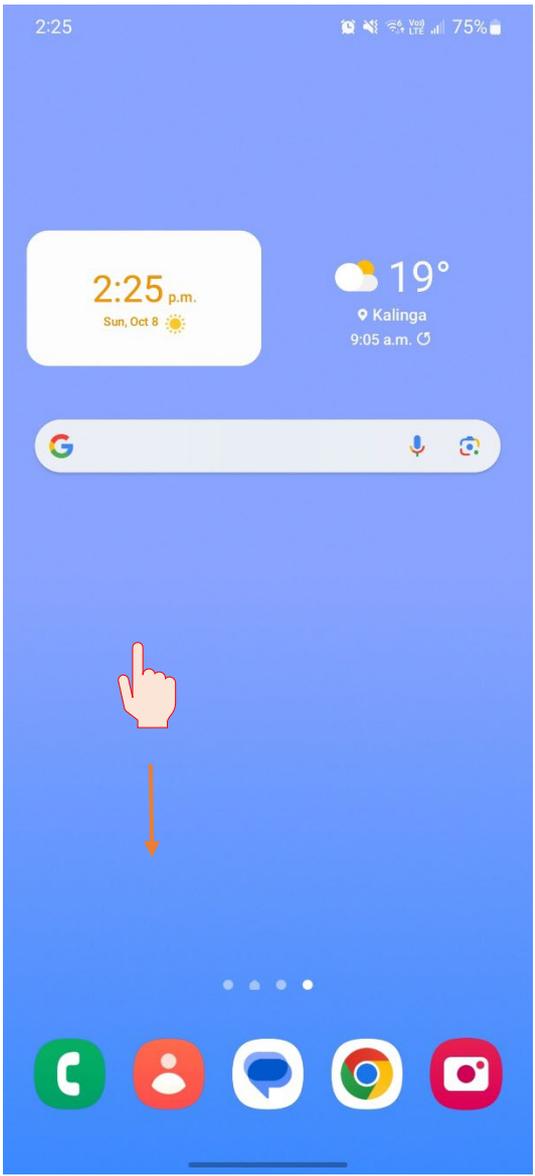


Hold phone in front of face

Image from: <https://www.samsung.com/sg/support/mobile-devices/how-to-use-face-recognition-to-unlock-samsung-mobile-device/>

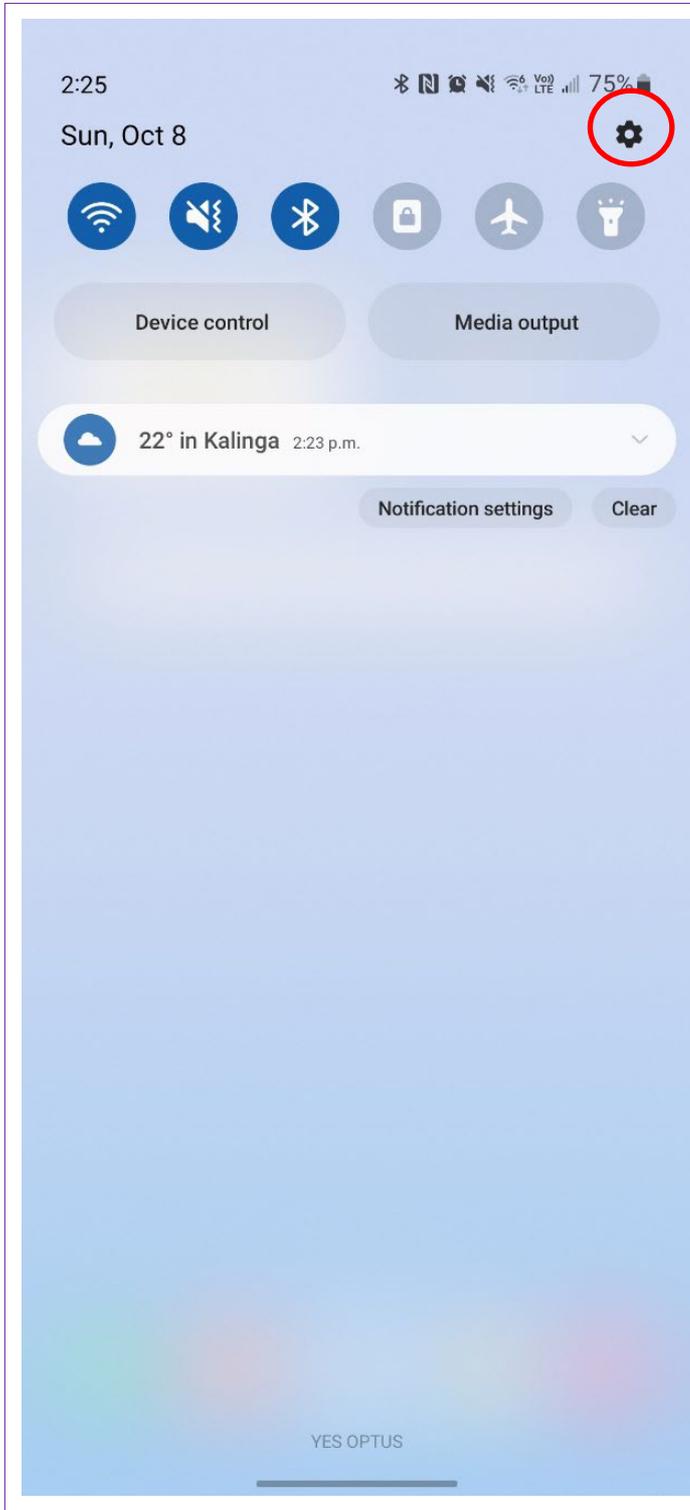


Turn off Fingerprint

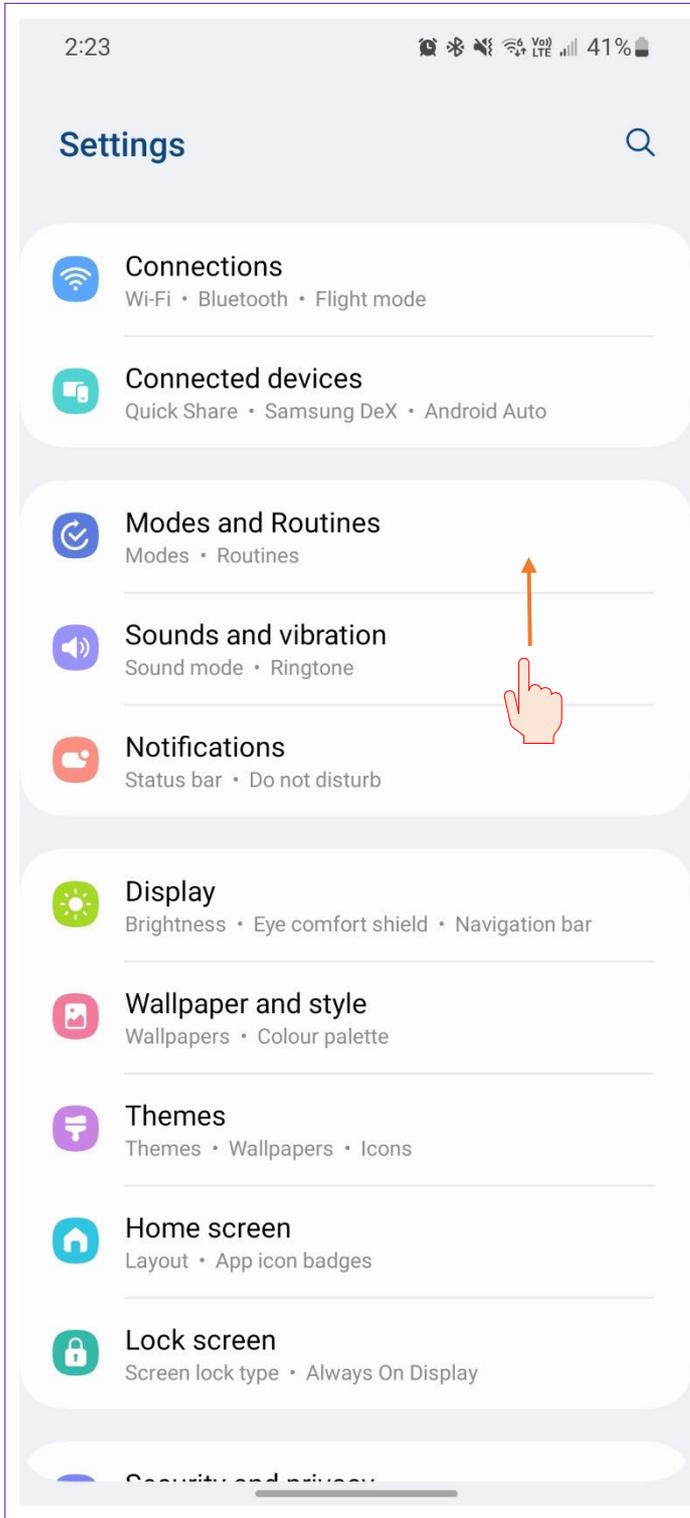


The image shows a vertical screenshot of an iPhone home screen. At the top, the status bar displays the time 2:25, signal strength, Wi-Fi, cellular, and battery icons at 75%. Below the status bar, there are two widgets: a clock and weather widget showing 2:25 p.m. on Sun, Oct 8, and a weather widget showing 19° in Kalinga at 9:05 a.m. Below the widgets is a Google search bar. At the bottom, there is a dock with five app icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with an index finger pointing down and an orange arrow below it is positioned in the center of the screen, indicating a swipe down gesture.

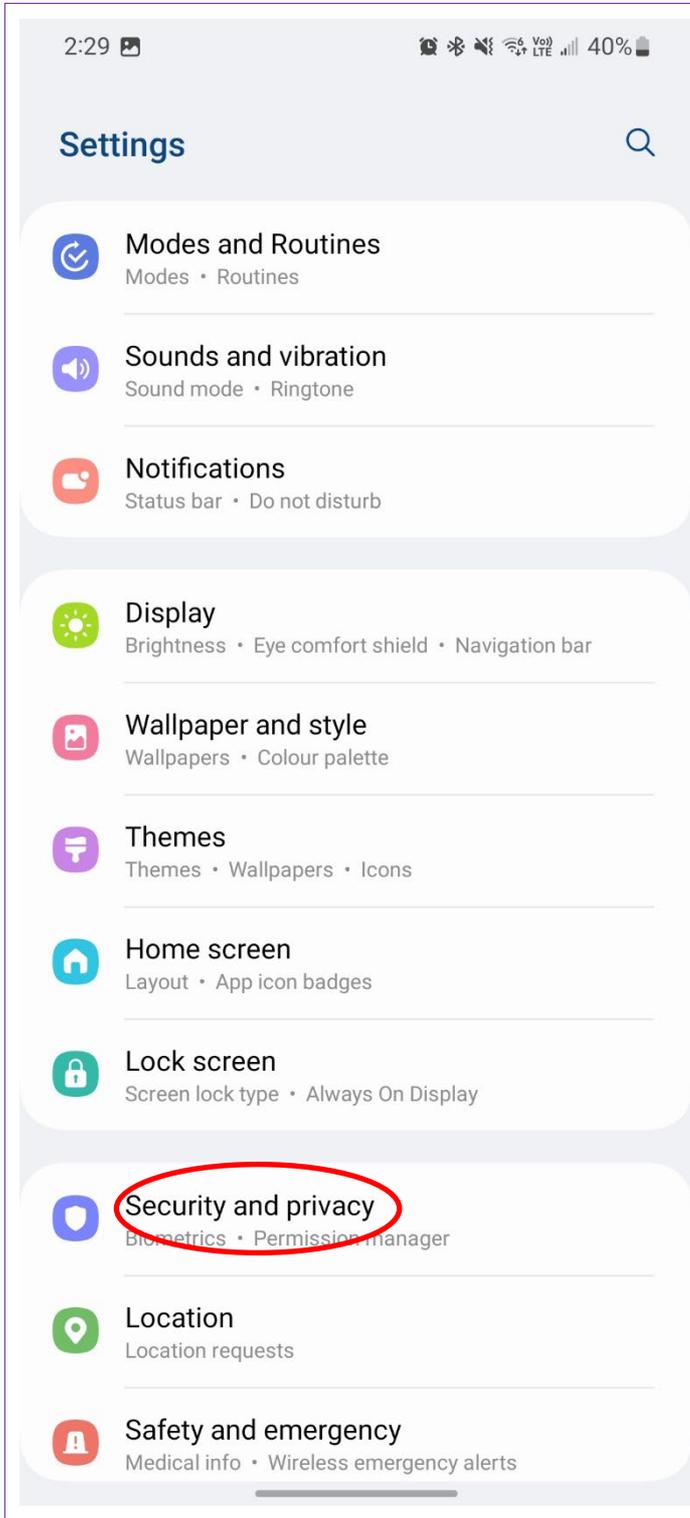
Swipe down



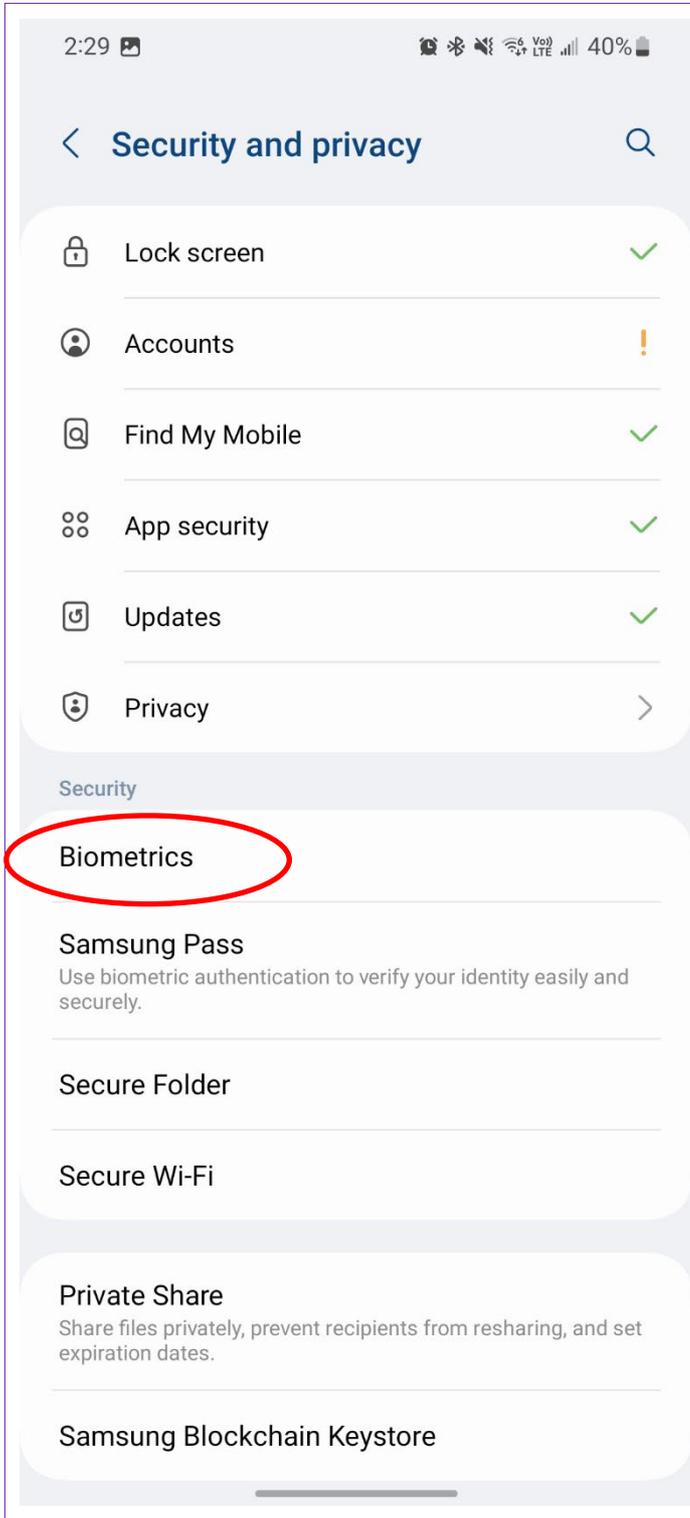
Tap **settings**



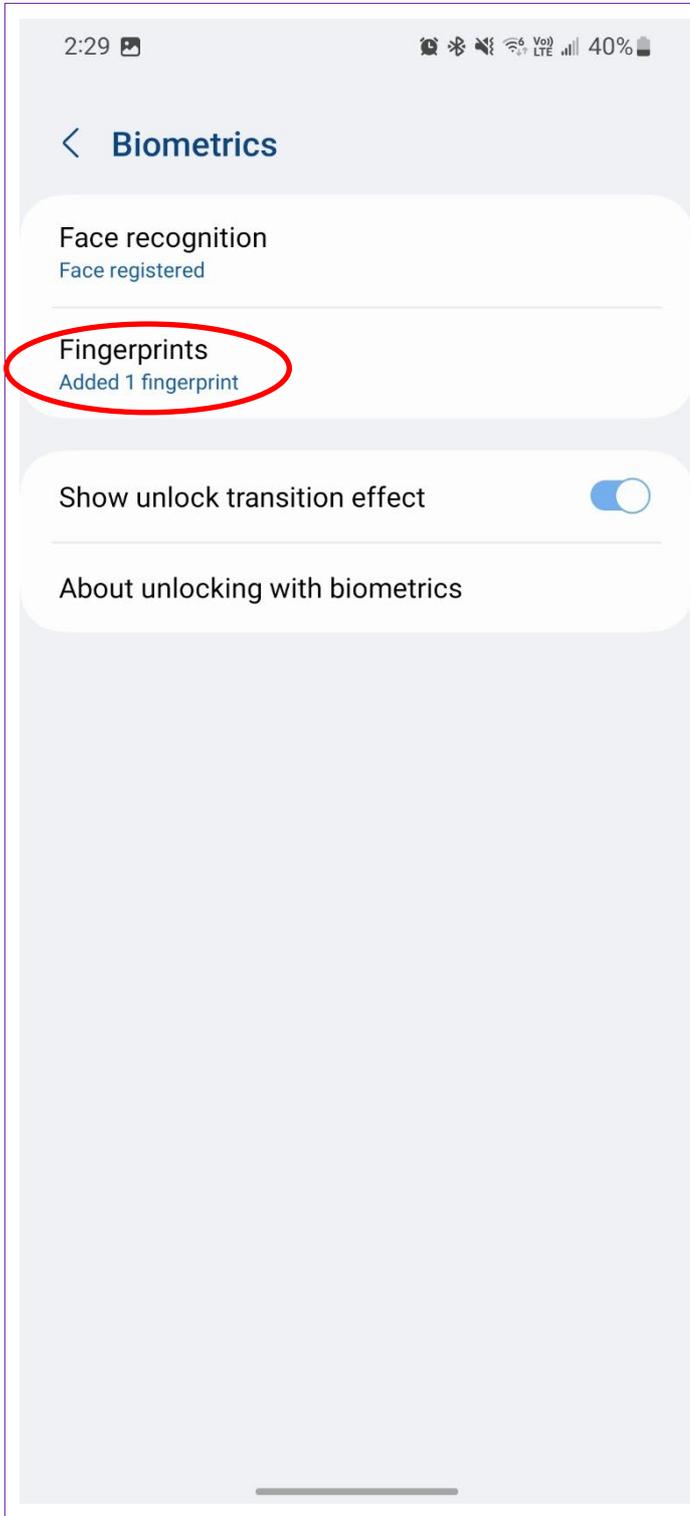
Swipe up for more options



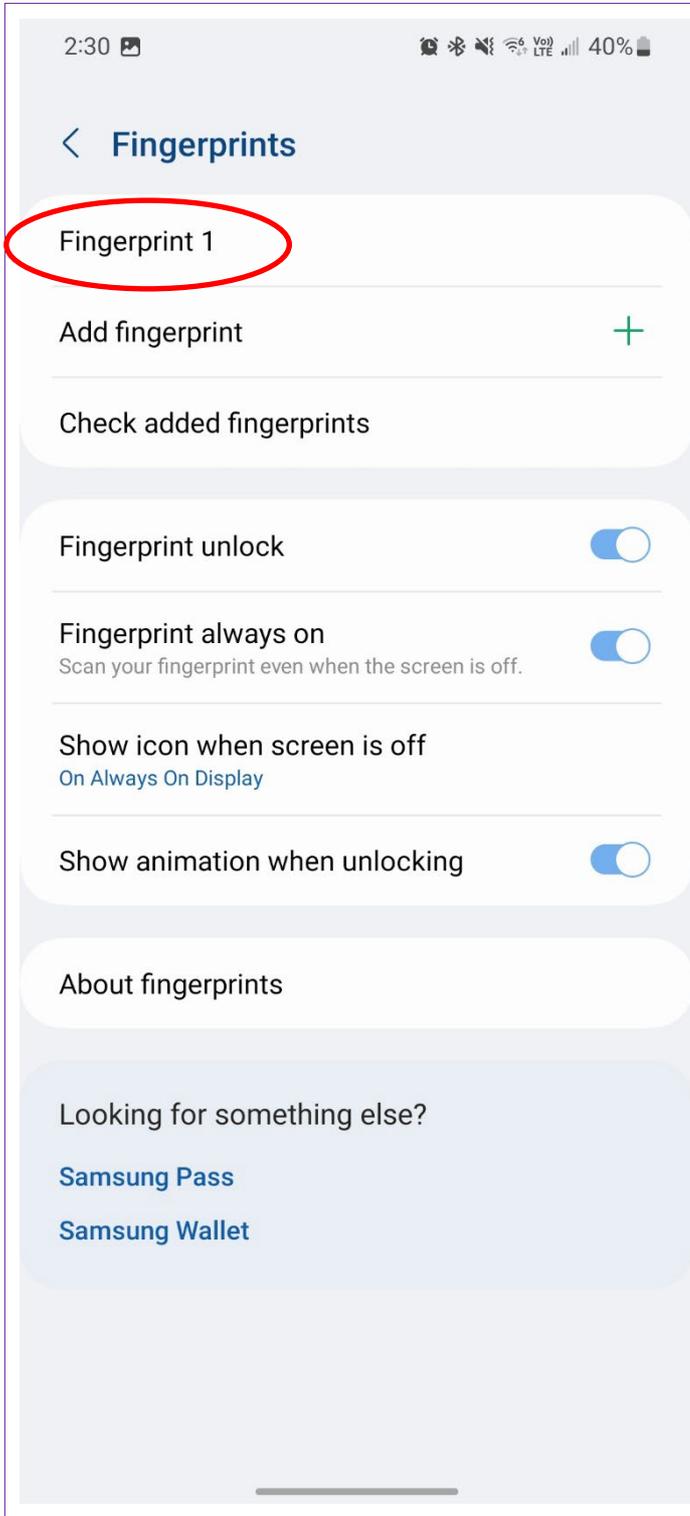
Tap Security and privacy



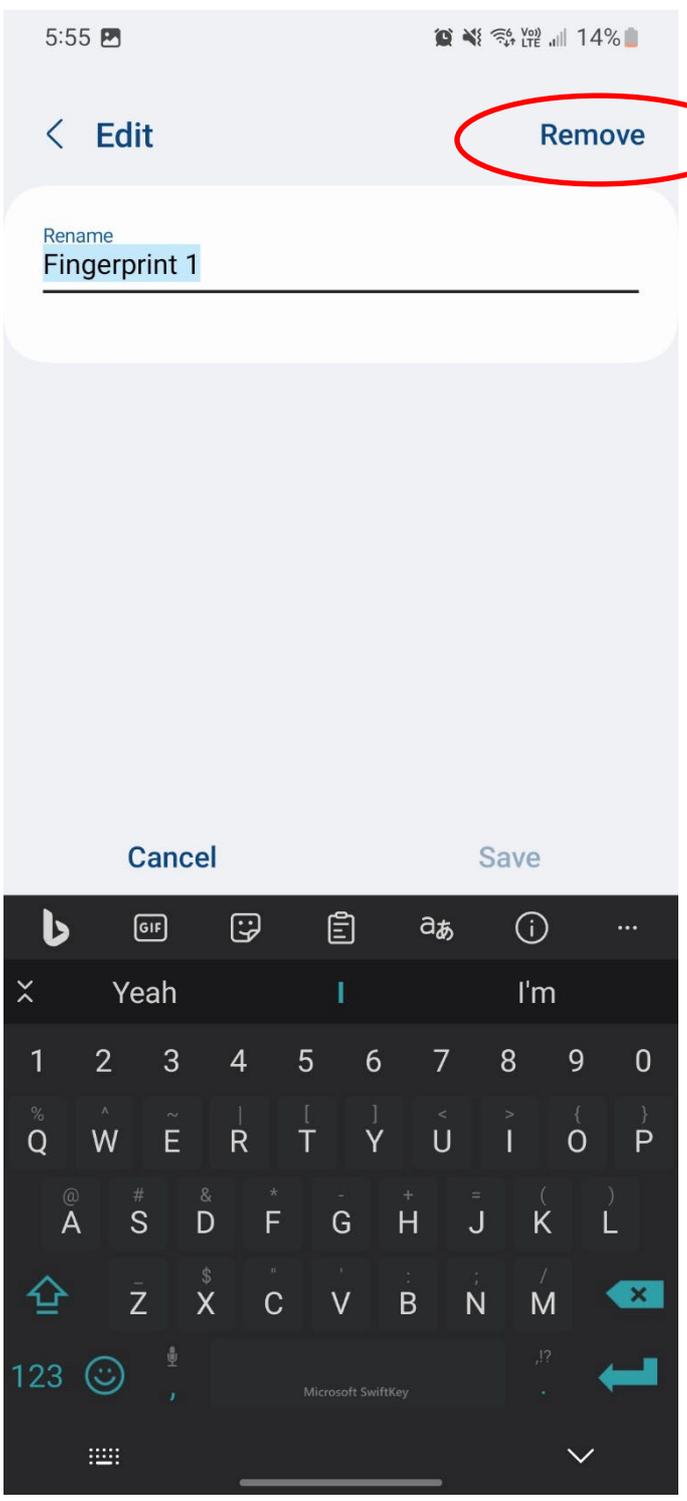
Tap Biometrics



Tap fingerprints
Enter security method



Tap fingerprint 1(one)



5:55 [camera icon] [notification icons] [VoLTE] [signal strength] [14% battery]

< Edit Remove

Rename
Fingerprint 1

Cancel Save

[Keyboard icons: GIF, emojis, clipboard, a&h, info, ...]

X Yeah | I'm

1 2 3 4 5 6 7 8 9 0

% ^ ~ | [] < > { } P

Q W E R T Y U I O P

@ # & * - + = ()

A S D F G H J K L

⏪ Z X C V B N M ⏩

123 😊 , Microsoft SwiftKey .!?

⏴ ⏵

Tap remove



5:55  14%

< **Edit** **Remove**

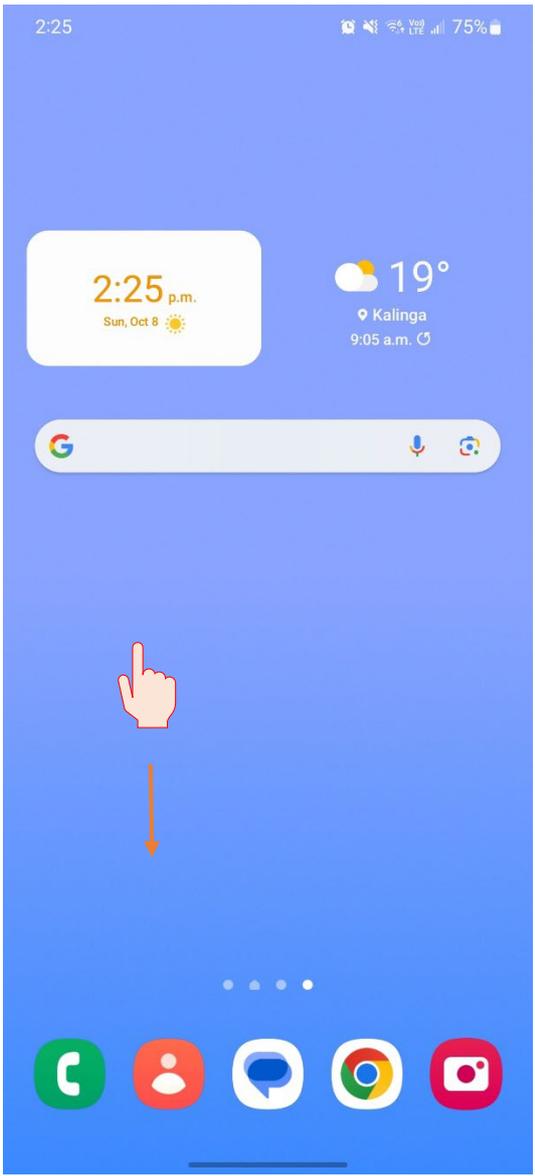
Rename
Fingerprint 1

Remove fingerprint?
Features that use fingerprints will be turned off.

Cancel **Remove**

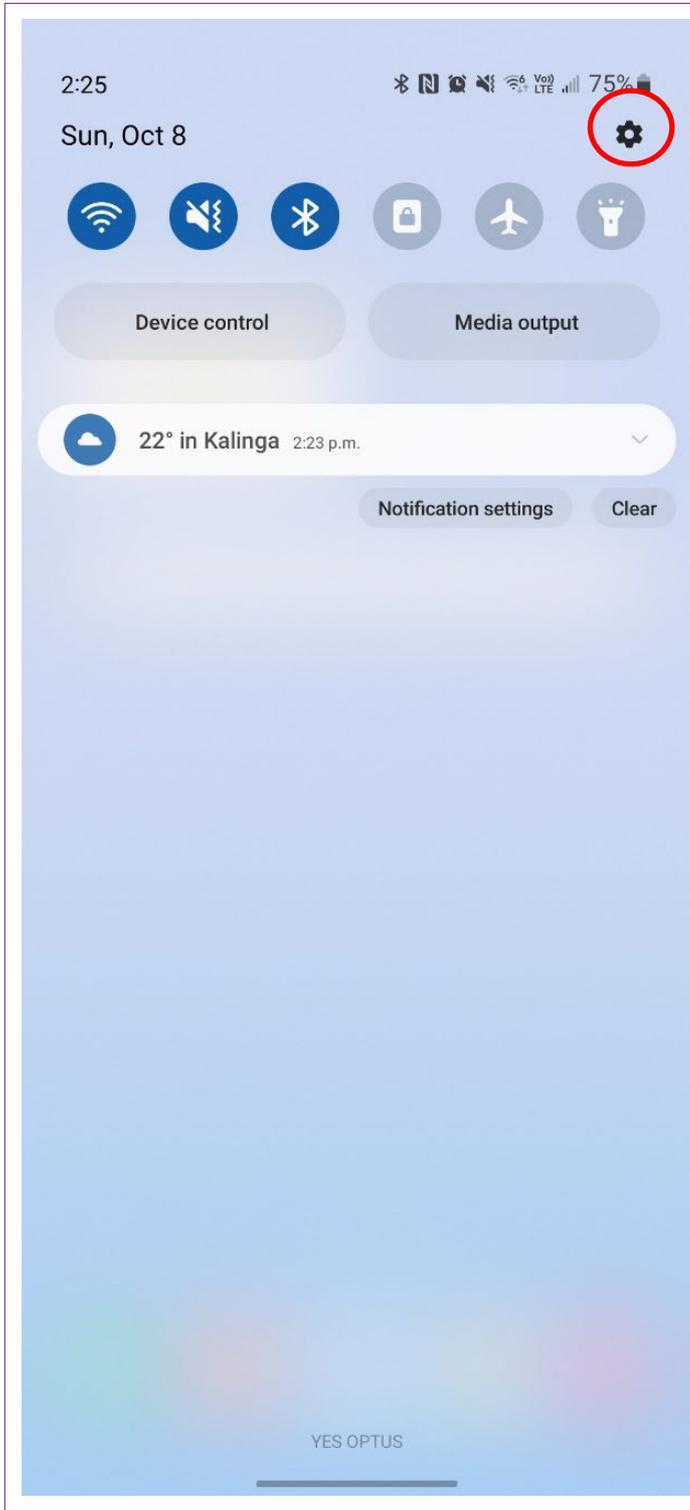
Tap remove

Turn off Facial Recognition

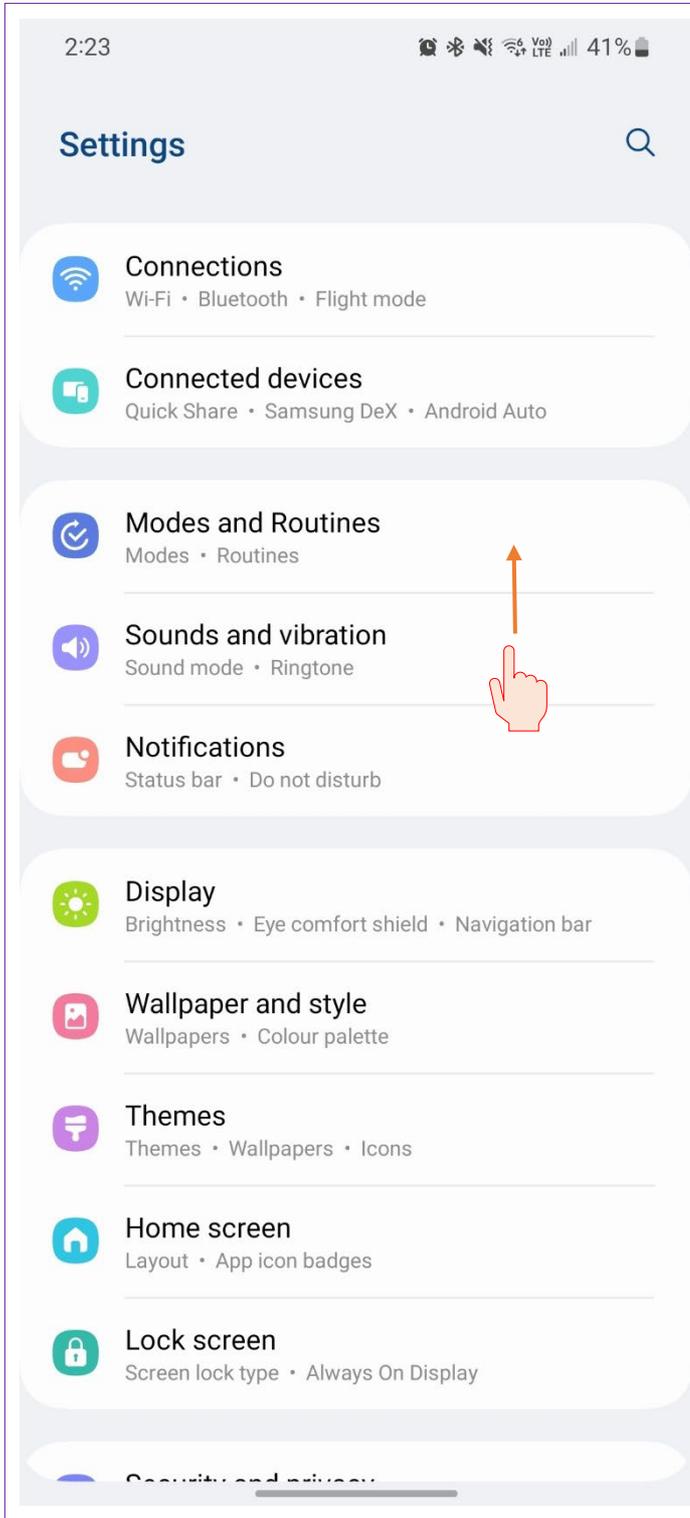


The image shows a vertical screenshot of an iPhone home screen. At the top, the status bar displays the time 2:25, signal strength, Wi-Fi, cellular, and battery icons at 75%. Below the status bar, there are two widgets: a clock showing 2:25 p.m. on Sun, Oct 8, and a weather widget for Kalinga showing 19° and 9:05 a.m. Below the widgets is a Google search bar with the Google logo, microphone, and camera icons. At the bottom, there is a dock with five app icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with an index finger pointing down and an orange arrow below it is positioned in the center of the screen to indicate a downward swipe gesture.

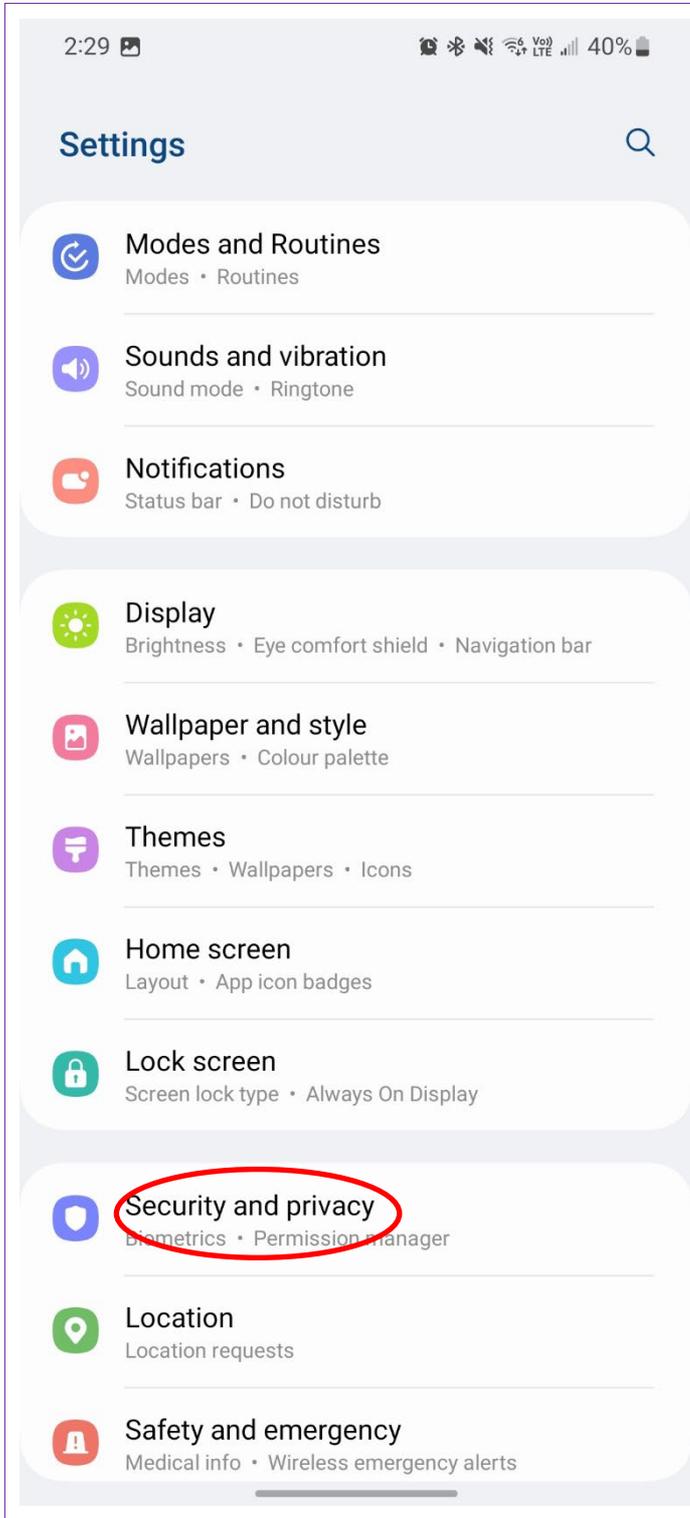
Swipe down



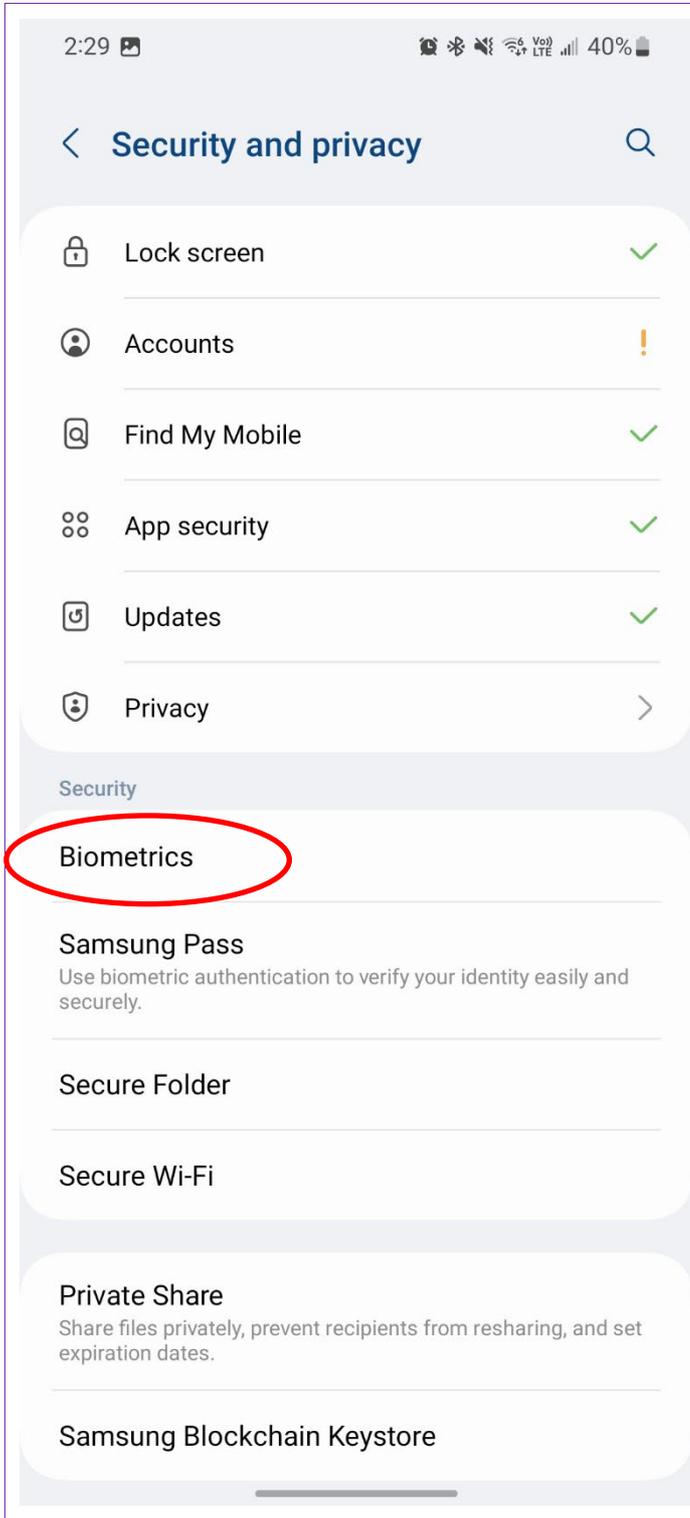
Tap **settings**



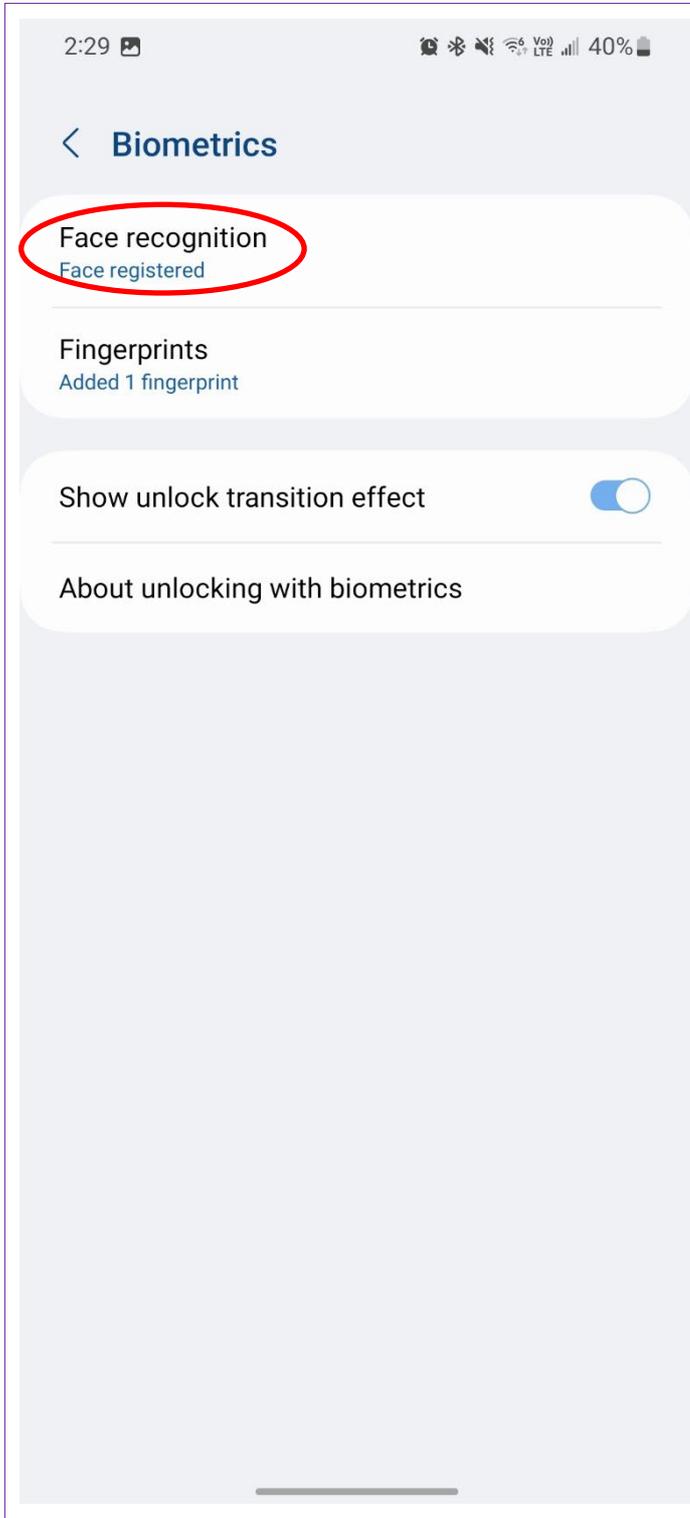
Swipe up for more options



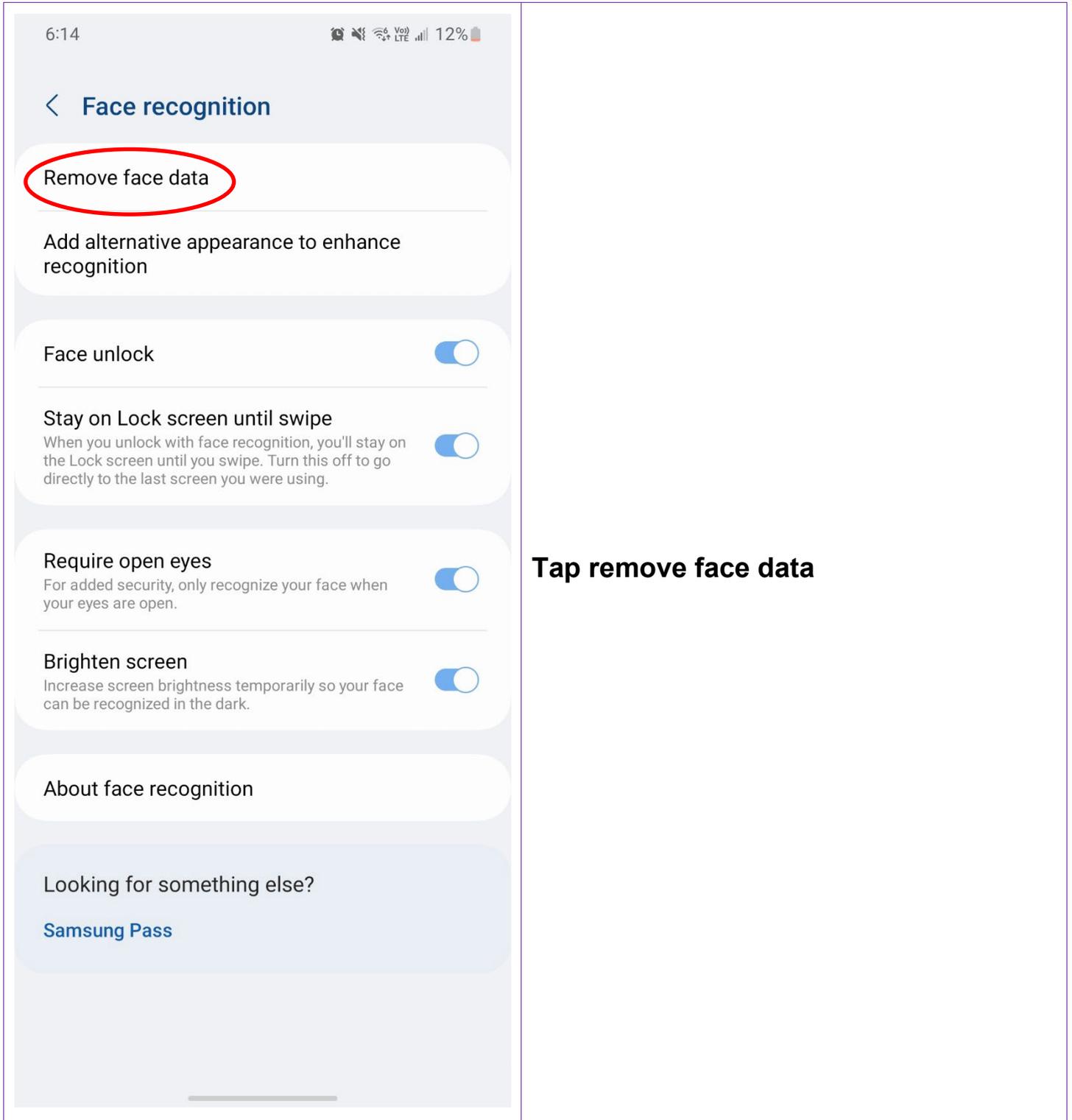
Tap Security and privacy



Tap Biometrics



Tap face recognition
Enter security method



6:14   VoLTE  12% 

< **Face recognition**

Remove face data

Add alternative appearance to enhance recognition

Face unlock

Stay on Lock screen until swipe
When you unlock with face recognition, you'll stay on the Lock screen until you swipe. Turn this off to go directly to the last screen you were using.

Require open eyes
For added security, only recognize your face when your eyes are open.

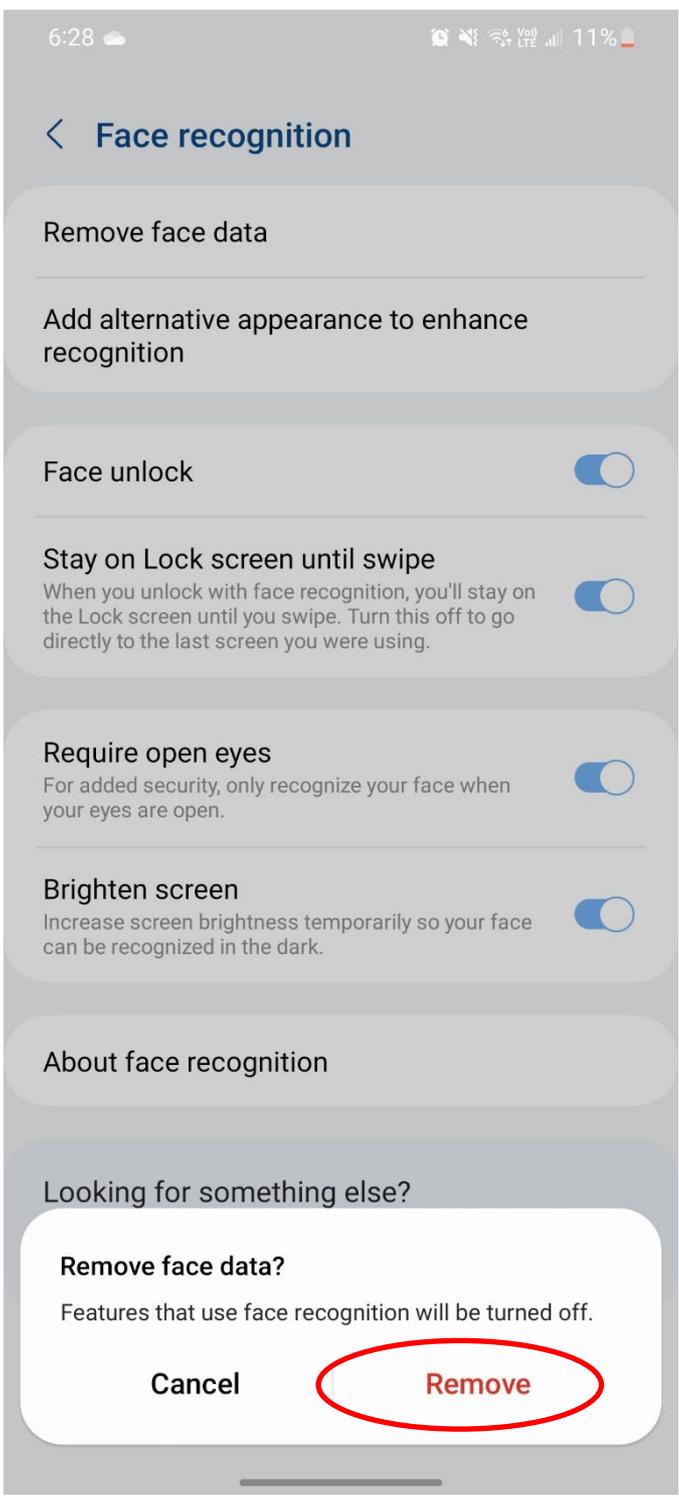
Brighten screen
Increase screen brightness temporarily so your face can be recognized in the dark.

About face recognition

Looking for something else?

[Samsung Pass](#)

Tap remove face data



The screenshot shows the 'Face recognition' settings page on an iPhone. At the top, the time is 6:28 and the battery is at 11%. The page includes options for 'Remove face data', 'Add alternative appearance to enhance recognition', 'Face unlock' (toggle on), 'Stay on Lock screen until swipe' (toggle on), 'Require open eyes' (toggle on), and 'Brighten screen' (toggle on). At the bottom, there is a section 'Looking for something else?' with a 'Remove face data?' dialog box. The dialog box contains the text 'Features that use face recognition will be turned off.' and two buttons: 'Cancel' and 'Remove'. The 'Remove' button is circled in red.

Tap remove

Glossary

App: a program that does a specific task

Face recognition: a feature that recognises your face to unlock your phone

Fingerprint sensor: a scanner on the back of your phone

Fingerprint: a feature that uses your fingerprint to unlock your phone

Password: a feature that uses a code to unlock your phone

Pattern: a feature that uses a puzzle to unlock your phone

PIN: a personal identification number used to unlock your phone

Security method: how you secure your phone. This can be your pin, password, or pattern