

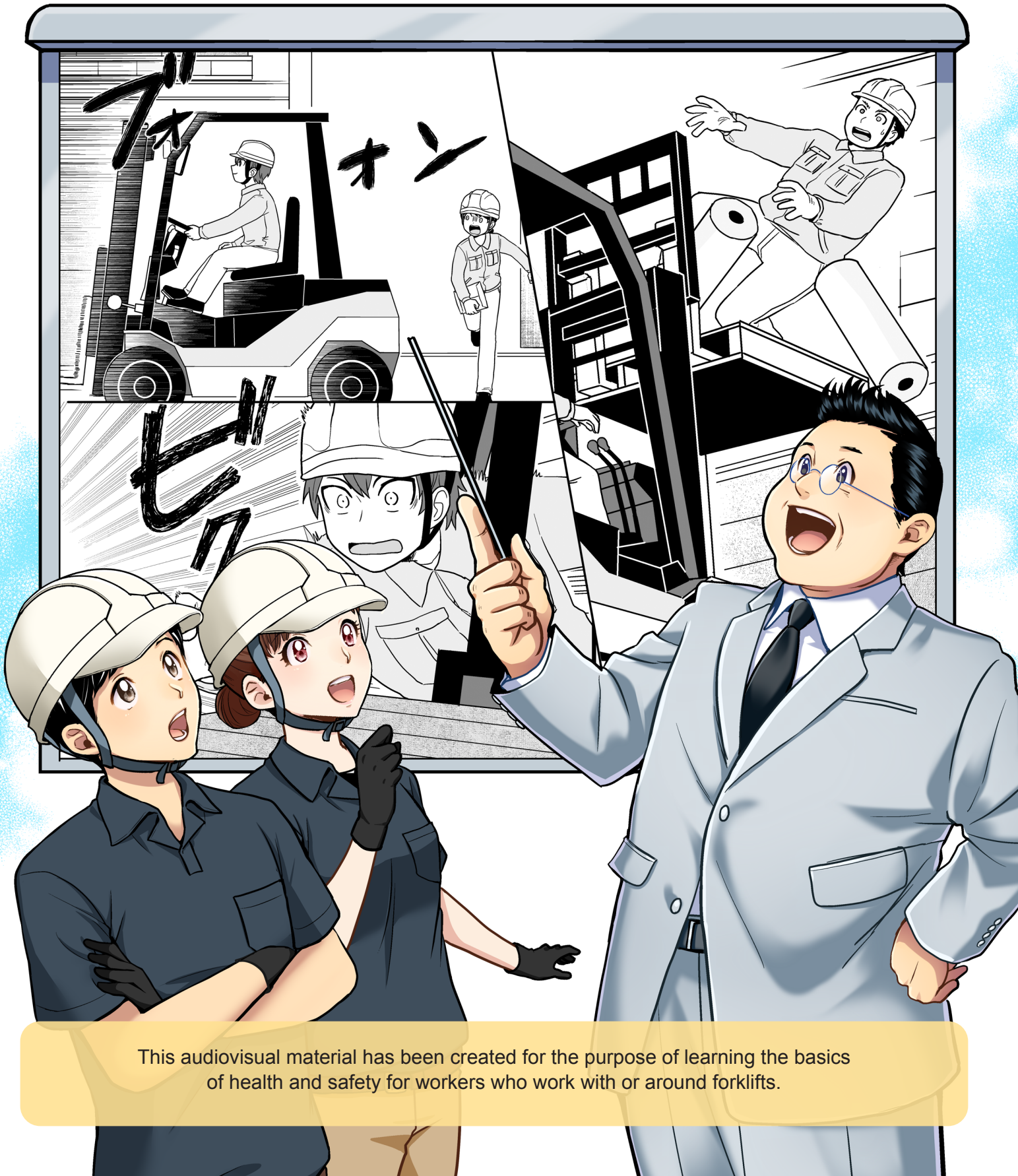
まんがでわかる



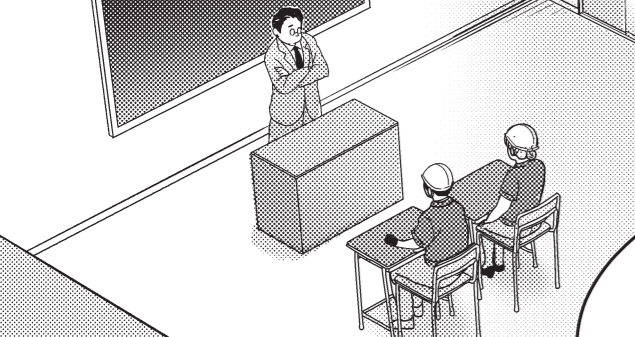
English
英語

フォークリフトの安全衛生

Learn through Manga
Health and Safety for Forklifts



This audiovisual material has been created for the purpose of learning the basics of health and safety for workers who work with or around forklifts.

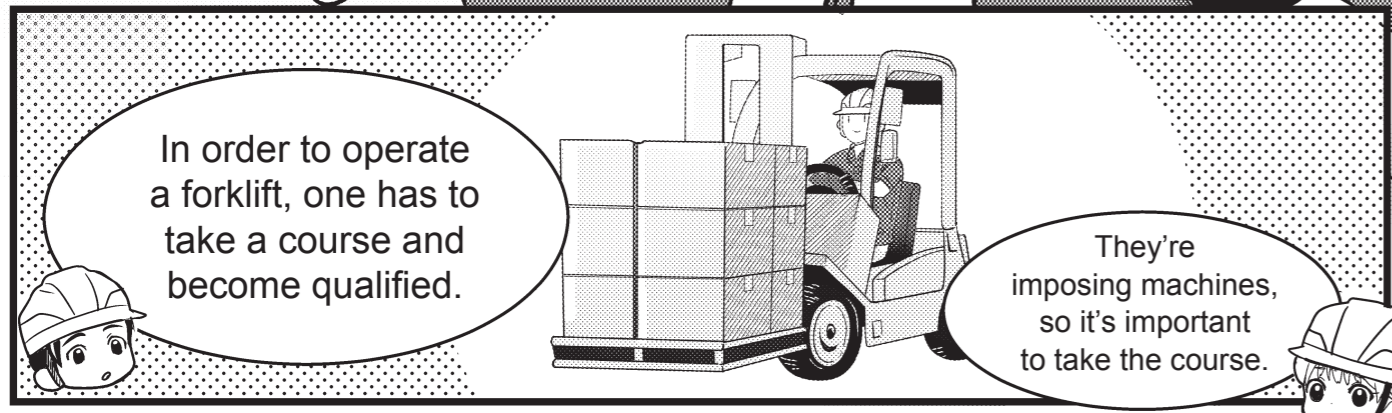


Today,
we'll learn about
health and safety
related to forklift work!



Forklifts are utilized in
all sorts of places
such as warehouses, factories,
and construction sites.

Totally!



In order to operate
a forklift, one has to
take a course and
become qualified.

They're
imposing machines,
so it's important
to take the course.

Even when a qualified person
operates a forklift, industrial
injuries can still occur.



What?!

Let's look at
the main causes of
industrial injuries.

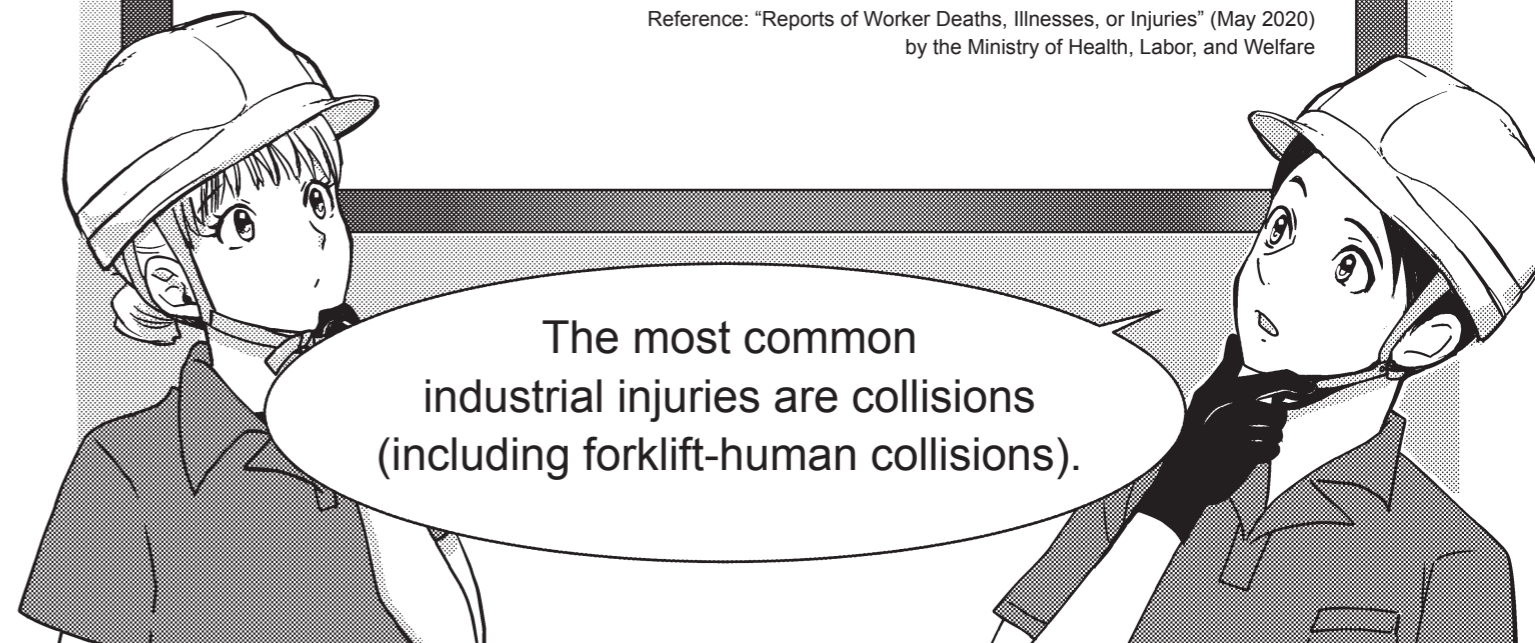


Injuries and deaths from industrial accidents

1	Collisions (including forklift-human collisions)	816 people
2	People or body parts being caught in, under, or between machinery or tools	769 people
3	Falls from elevated areas	424 people
4	Being struck by moving/falling objects	107 people
5	Slip and fall accidents	102 people

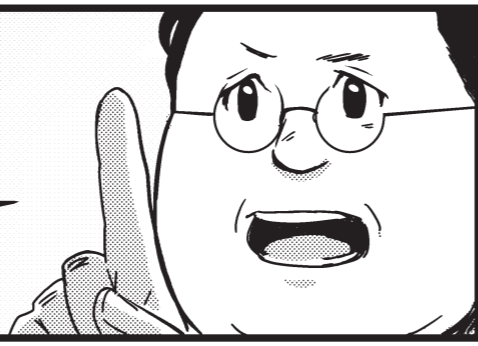
Reference: "Reports of Worker Deaths, Illnesses, or Injuries" (May 2020)
by the Ministry of Health, Labor, and Welfare

The most common
industrial injuries are collisions
(including forklift-human collisions).

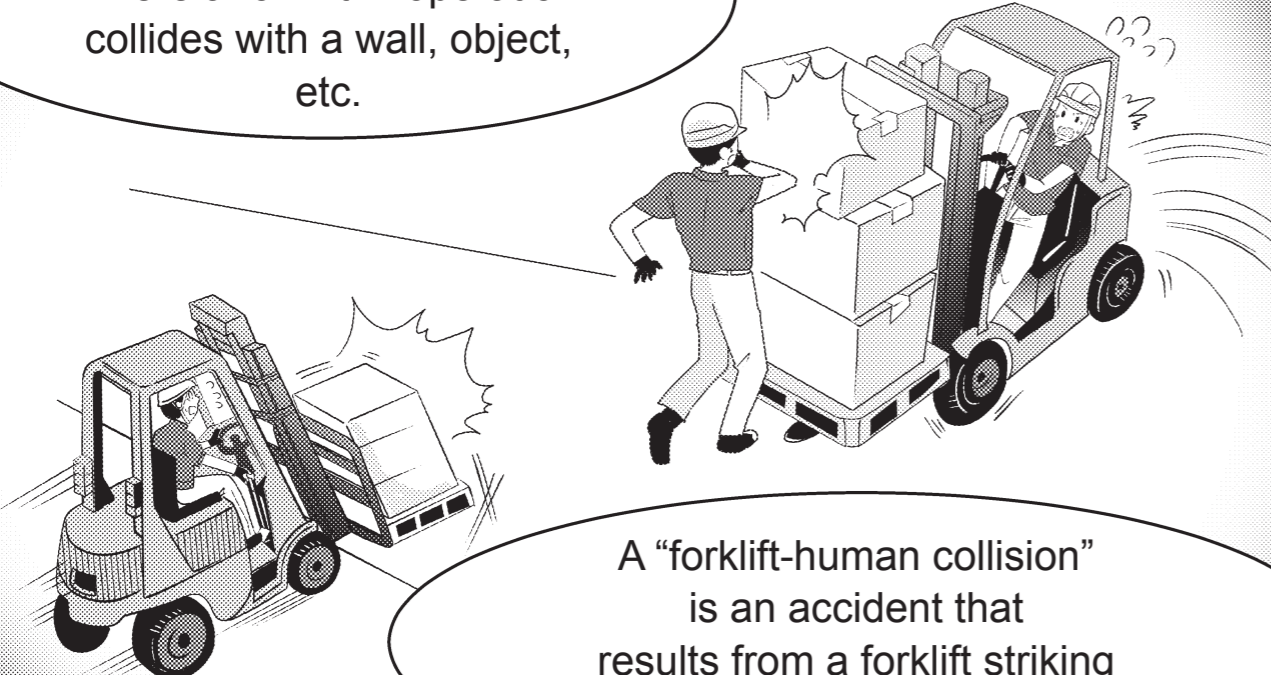


That's right.

First, let's take a look at collisions (including forklift-human collisions).



A collision is an accident where a forklift in operation collides with a wall, object, etc.



A "forklift-human collision" is an accident that results from a forklift striking one or more nearby workers.

Forklifts are heavy, so it'd be dangerous if you were to be struck by one.

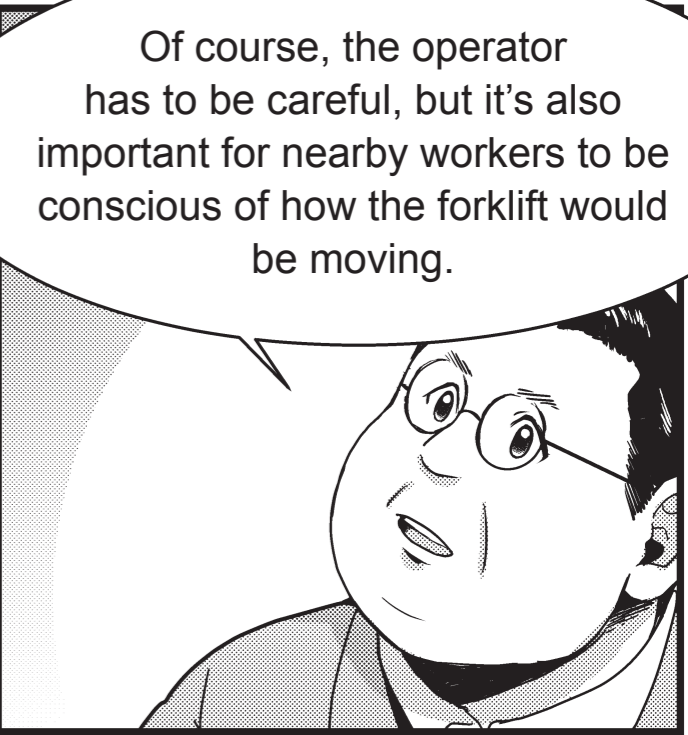
Also, forklifts can achieve fairly high speeds, so caution is essential.



How can we prevent a collision from happening?

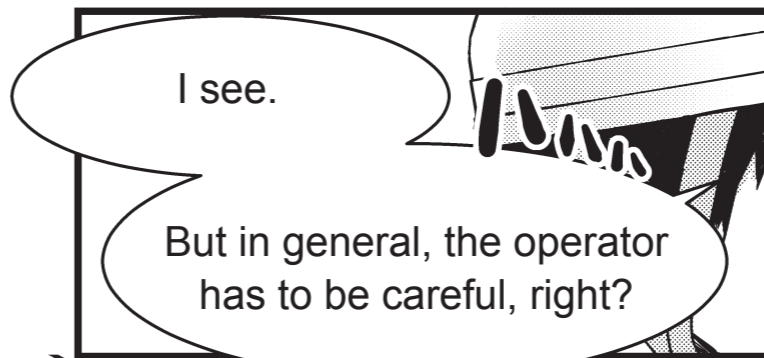


Of course, the operator has to be careful, but it's also important for nearby workers to be conscious of how the forklift would be moving.



I see.

But in general, the operator has to be careful, right?



What?

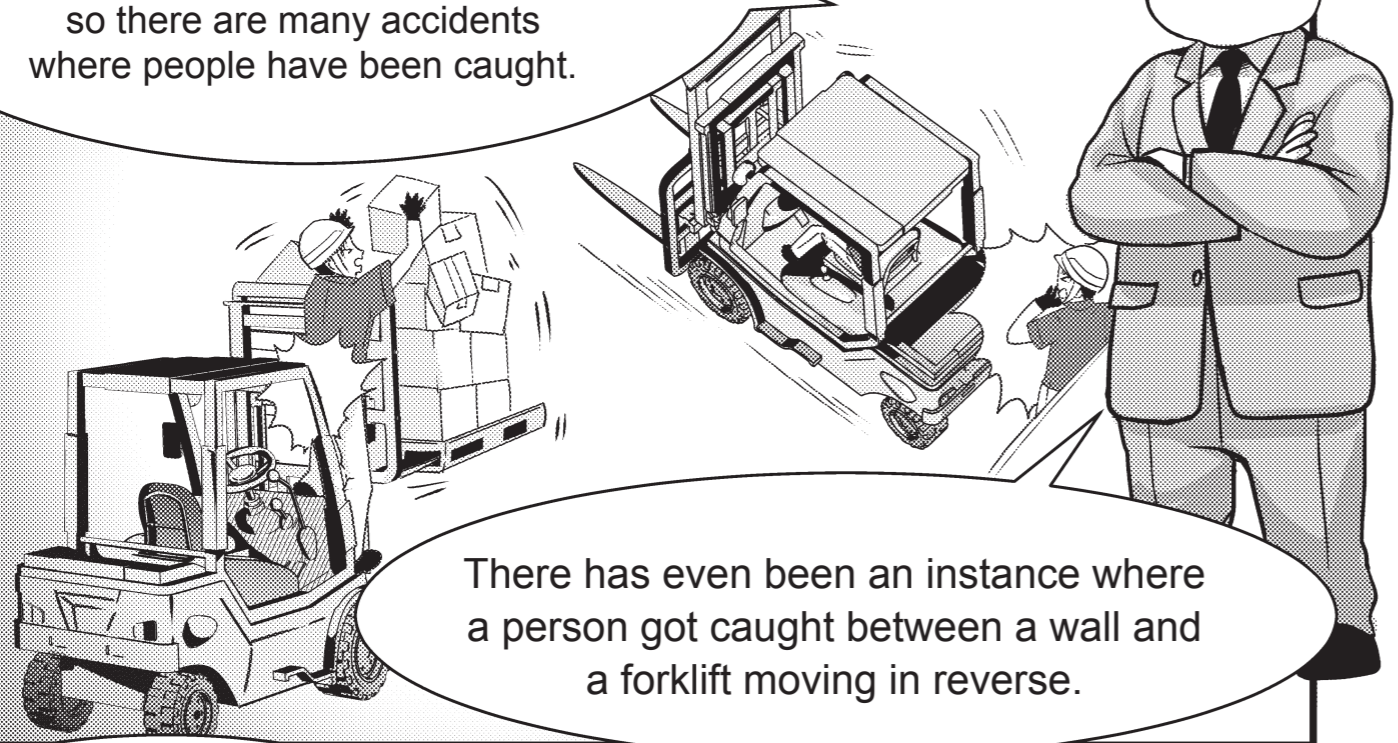


Not just the operator, nearby workers must also be careful!

Y-yes, sir!



Next up is people or body parts being caught in, under, or between machinery or tools. Forklifts have a lot of moving parts, so there are many accidents where people have been caught.

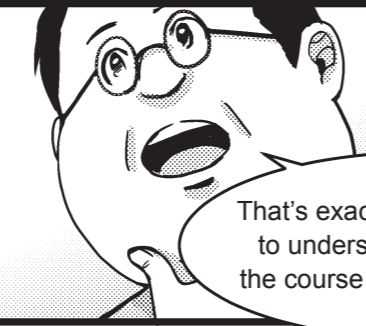


There has even been an instance where a person got caught between a wall and a forklift moving in reverse.

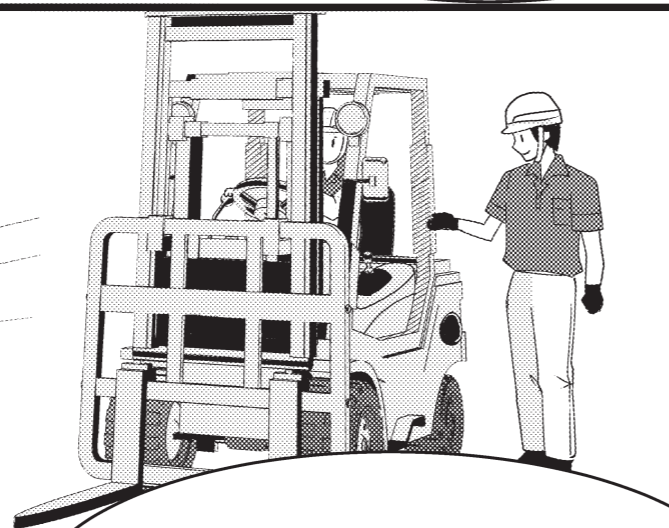
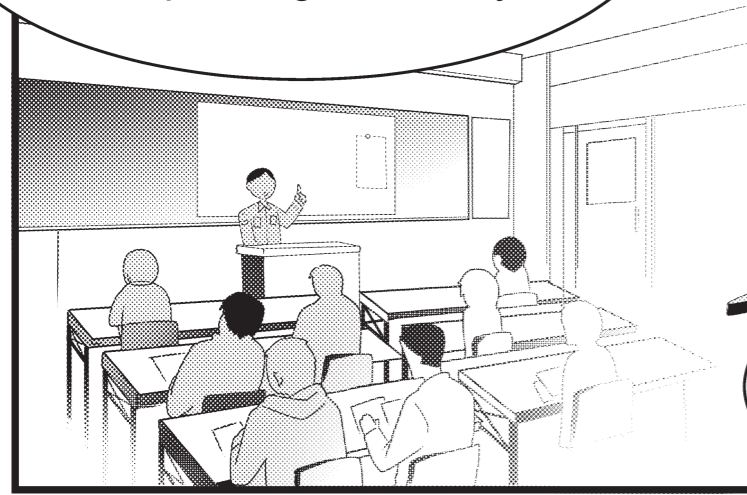
If you become injured and can't work, your family will worry and it could also result in lost income, too...



That's exactly why it's important to understand the content of the course and follow the rules.



Understanding the proper operating procedures taught in the course, and operating it correctly...



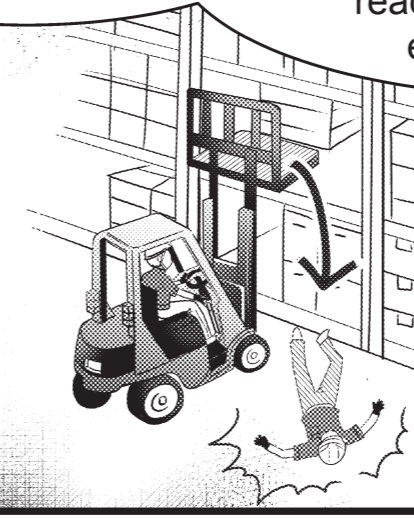
...and understanding how a forklift moves is also important.

What are falls from elevated areas?



For example, you're not supposed to do this,

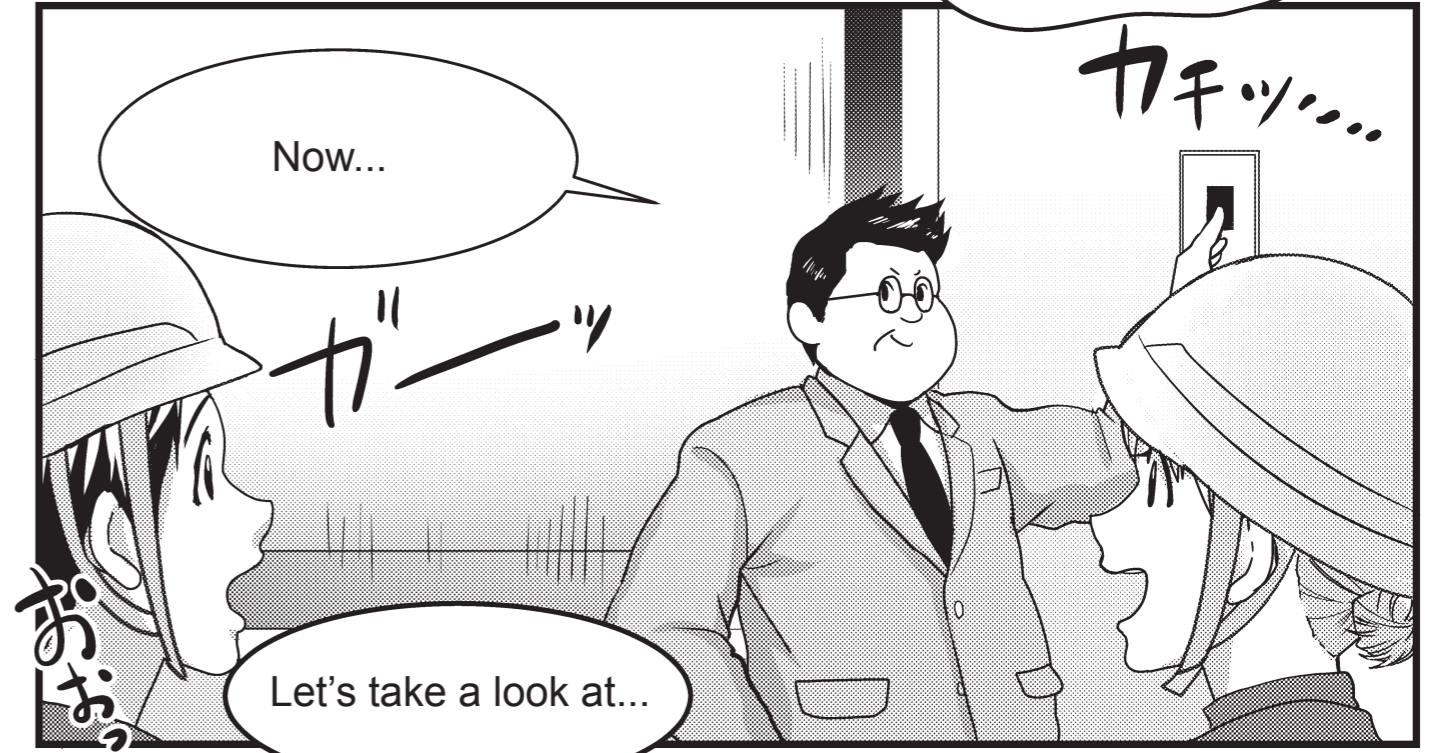
but there have been cases where a worker stood on the forks of a forklift to reach a high place and ended up falling.



That's dangerous...

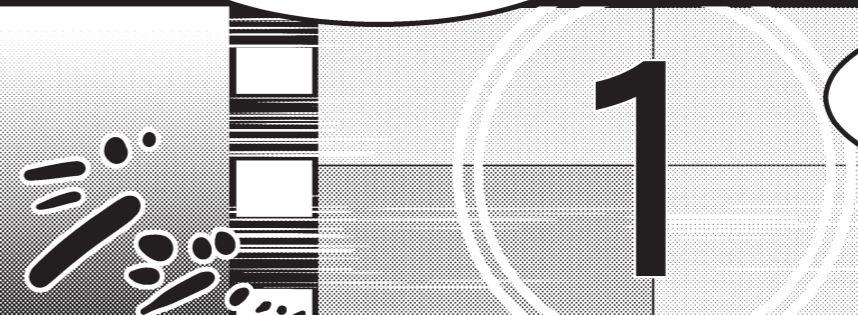


Now...

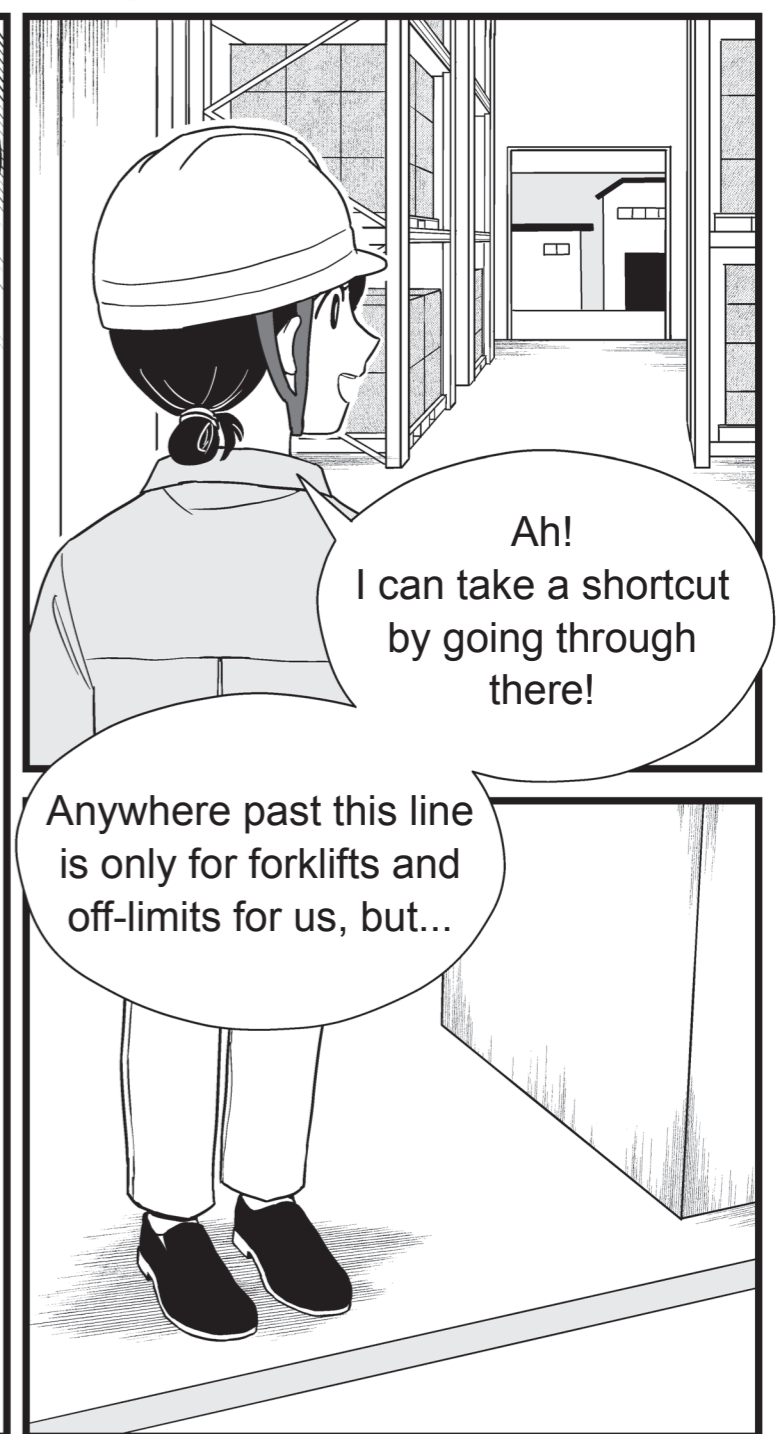
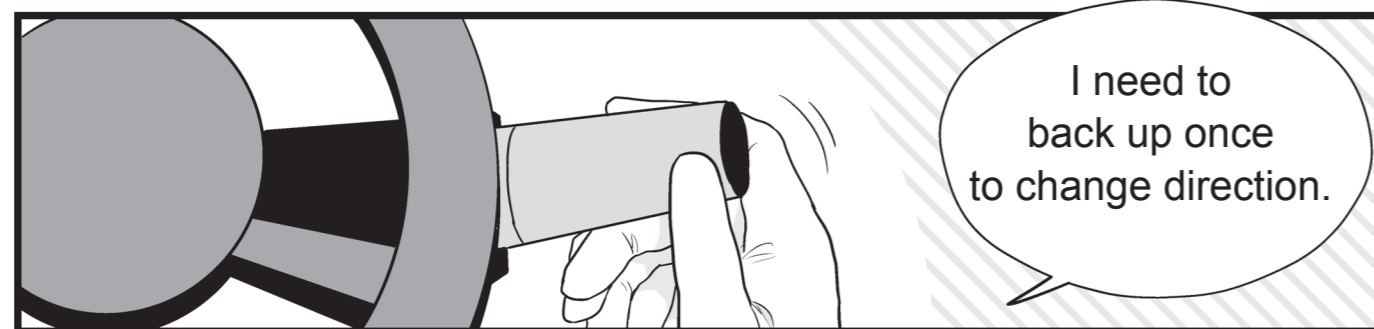
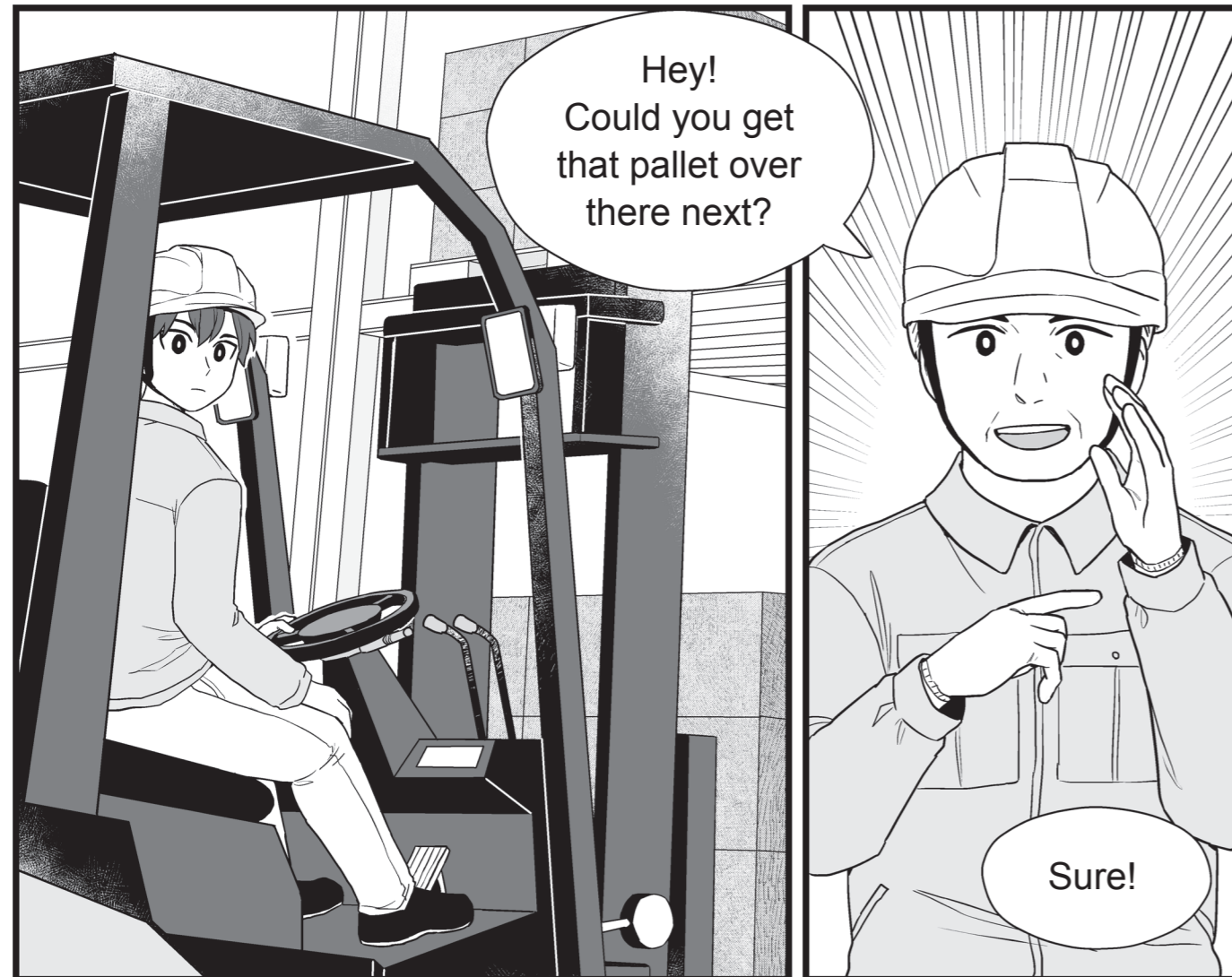


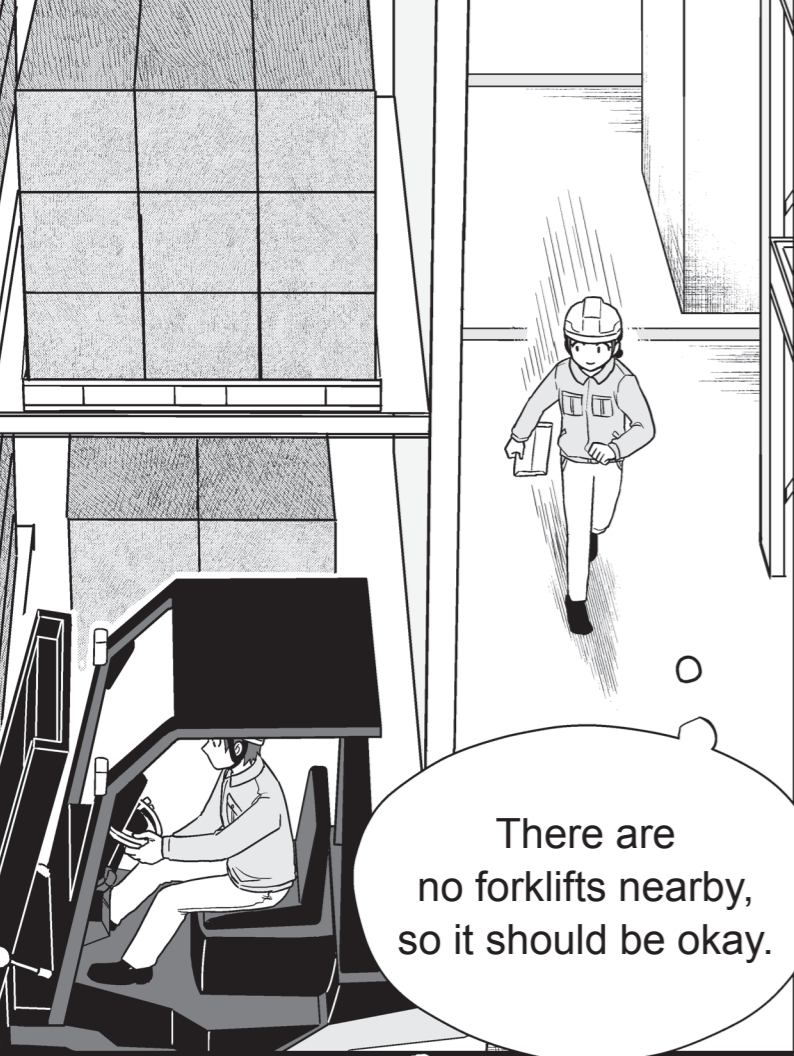
Let's take a look at...

...some actual cases!



CASE 1

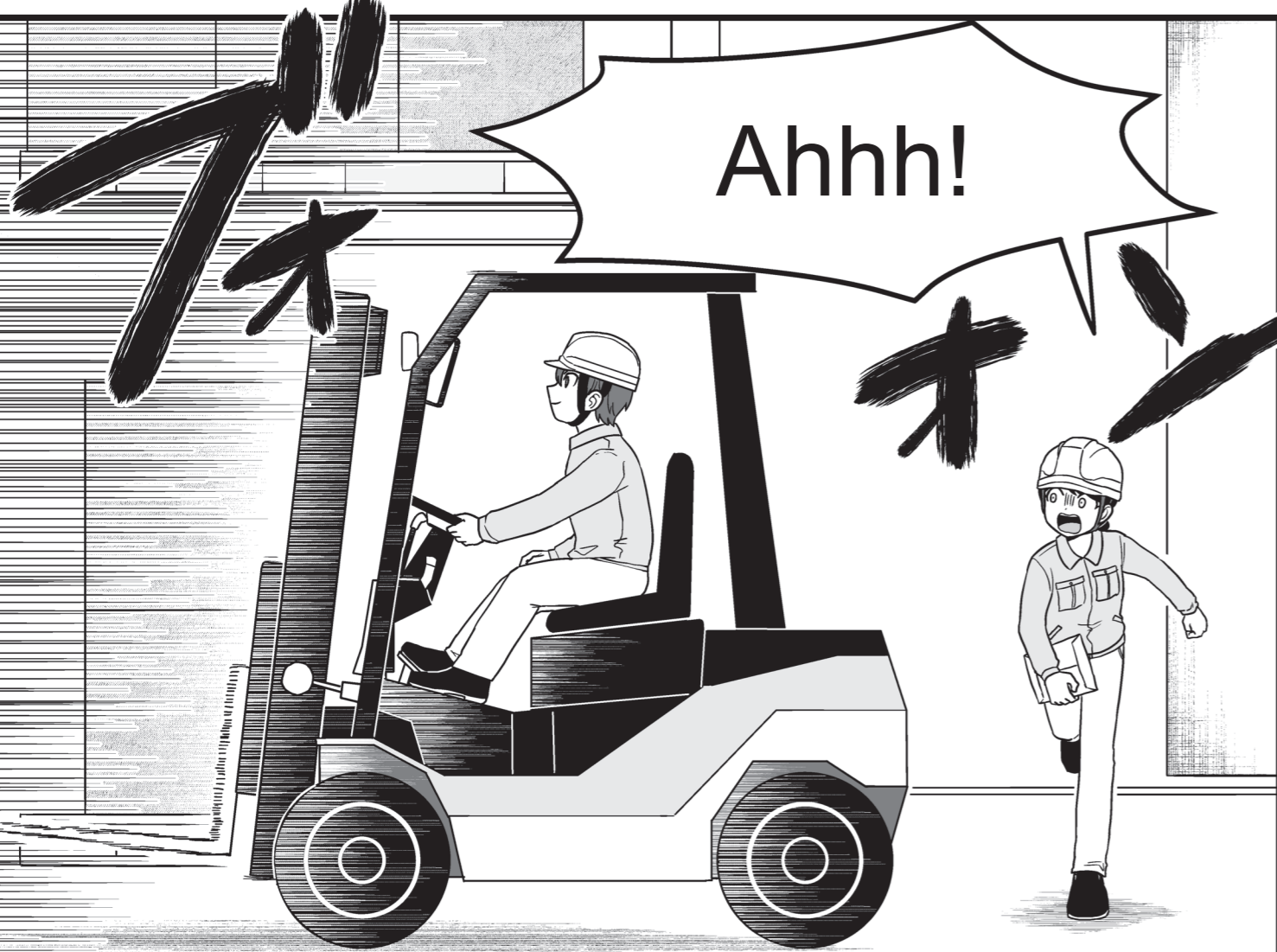




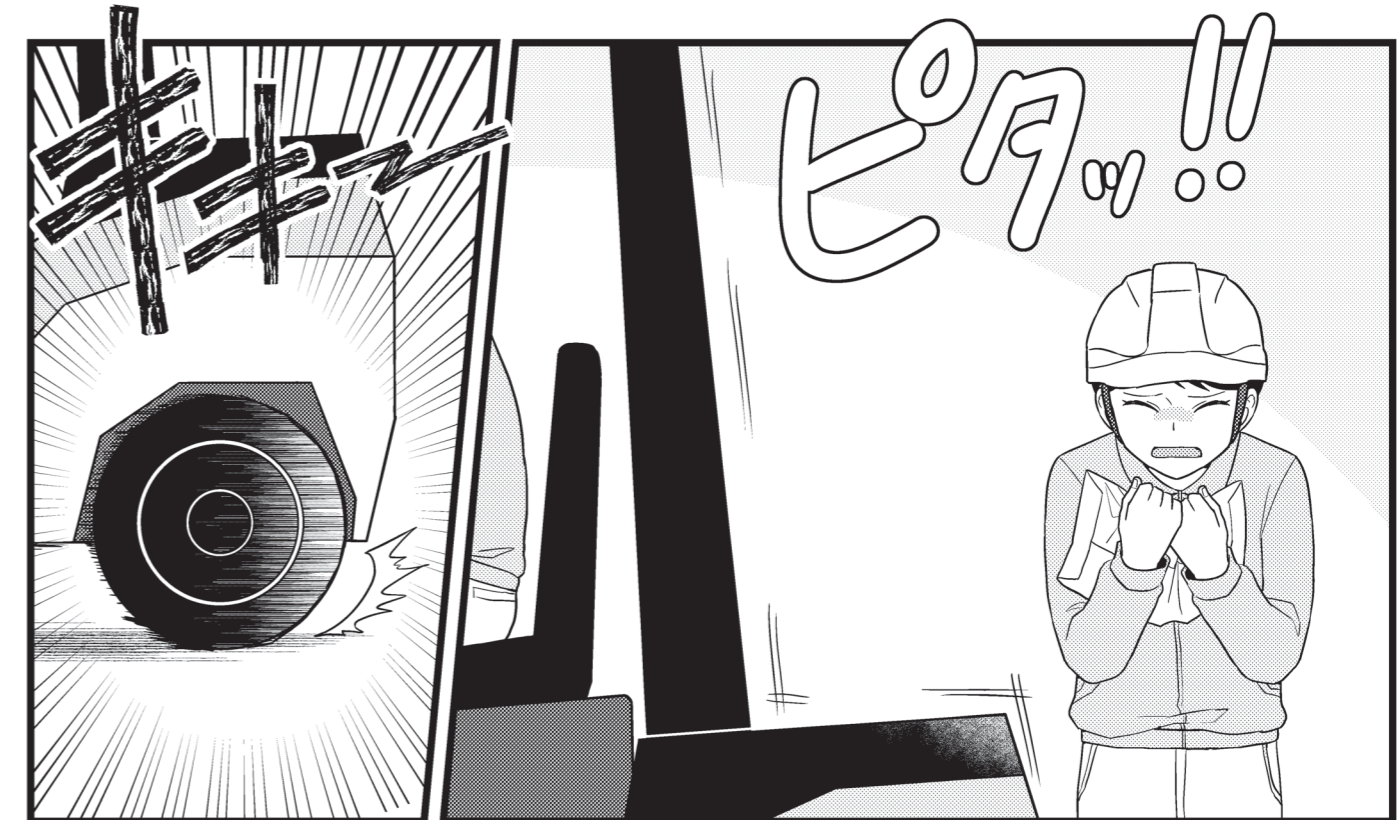
There are no forklifts nearby, so it should be okay.



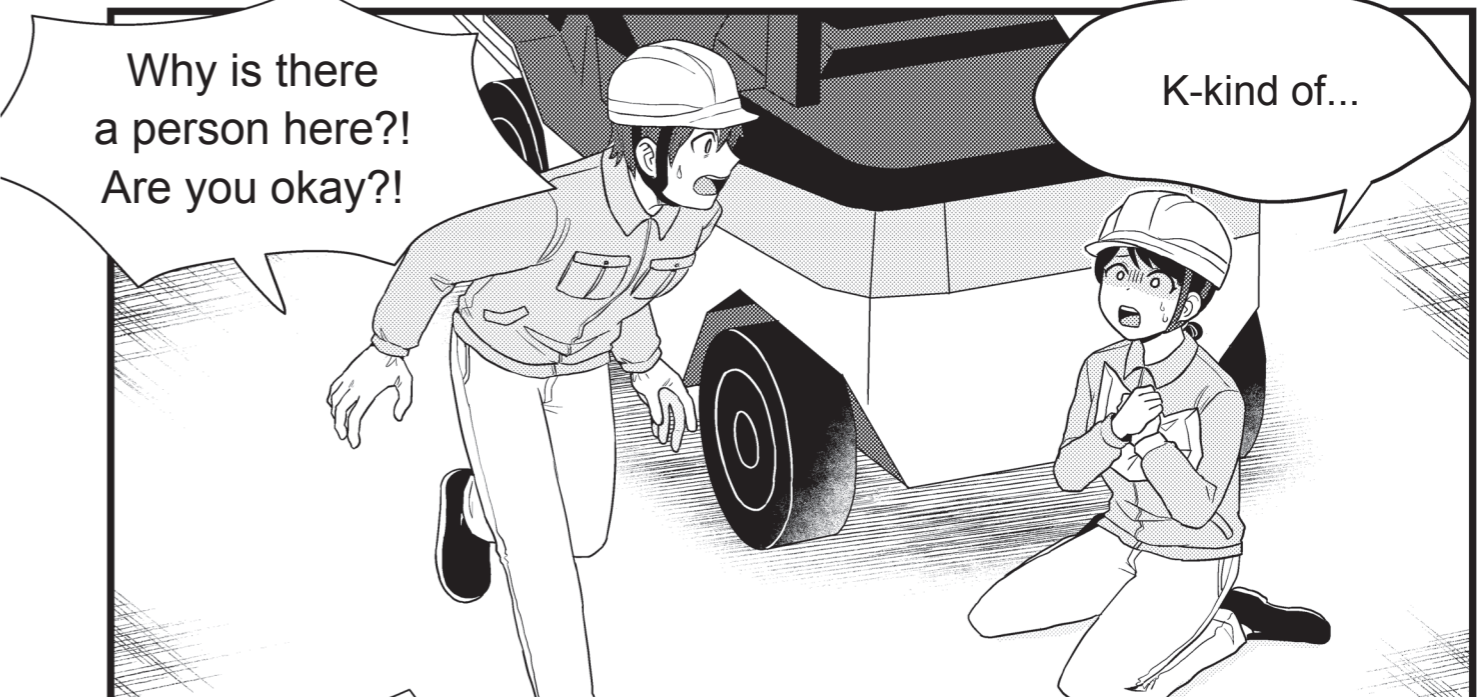
Okay, there's no one around.



Ahhh!

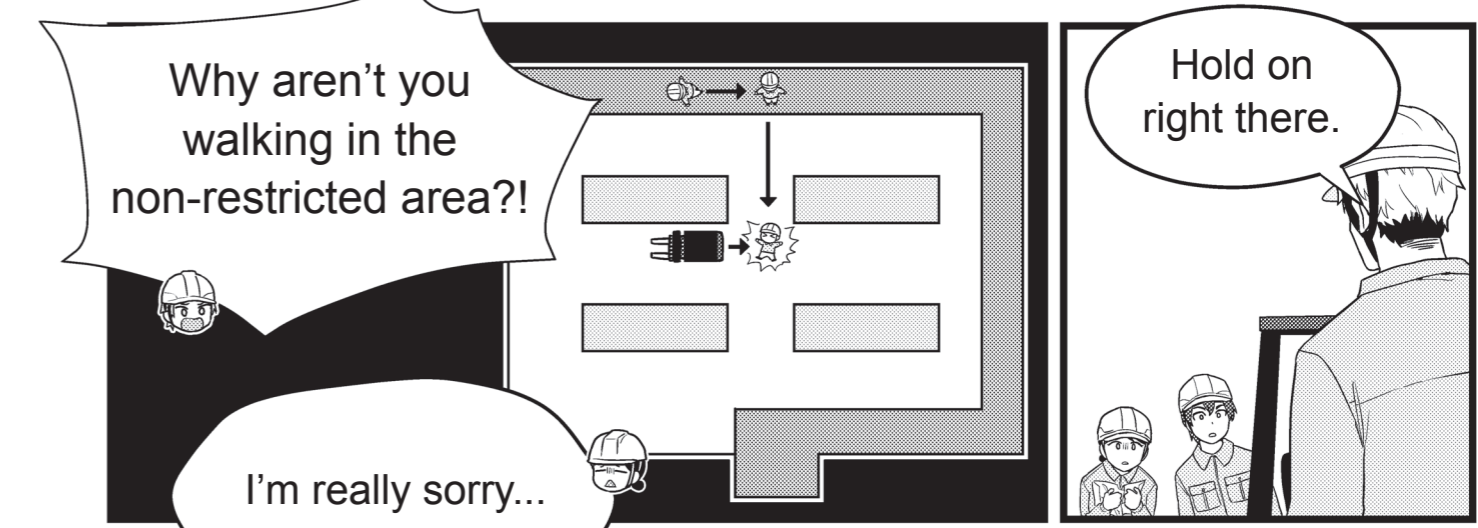


ヒョウ!!



Why is there a person here?! Are you okay?!

K-kind of...



Why aren't you walking in the non-restricted area?!

Hold on right there.

I'm really sorry...

Shouldn't you have been careful as well?

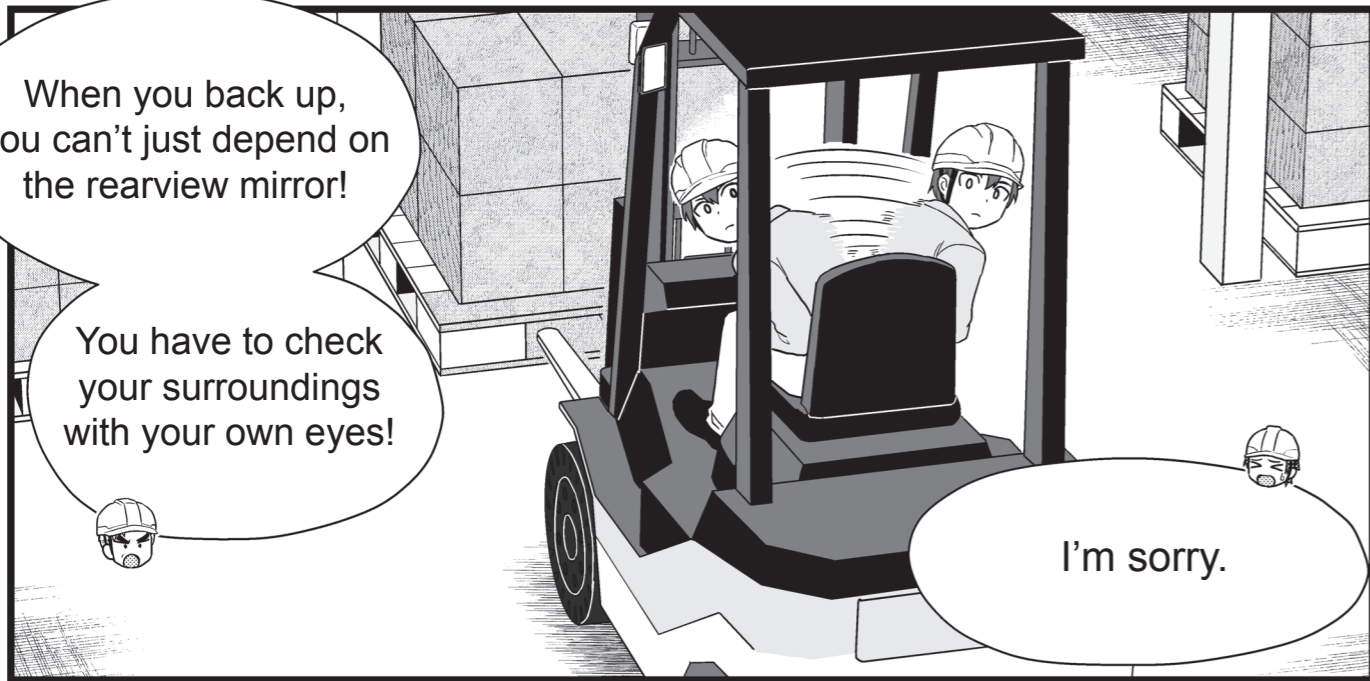


Were you aware that someone could suddenly appear unexpectedly?



When you back up, you can't just depend on the rearview mirror!

You have to check your surroundings with your own eyes!



I'm sorry.

When you look, it's important to signal visibly and call out.



Back, clear!

And you, you need to follow the workplace rules when it comes to off-limits areas!



Forklifts can turn in a small radius, and like in this instance, they could start moving suddenly.

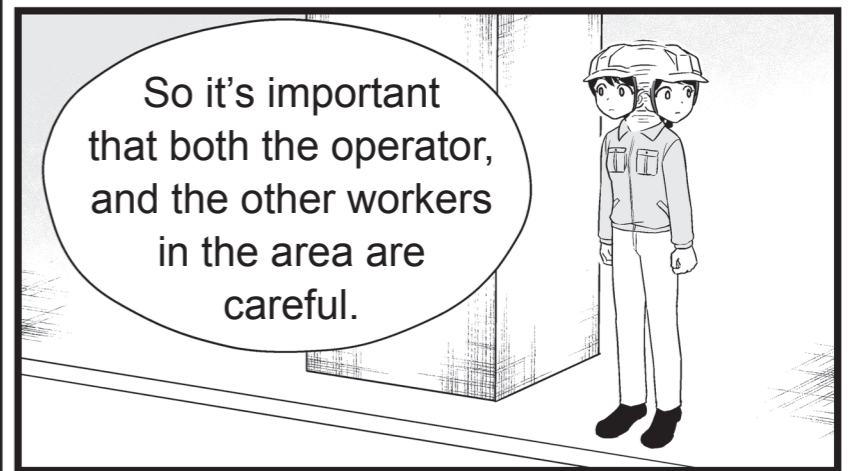
So never ever get close to a forklift!



There are also areas in some facilities where the operator has limited visibility.

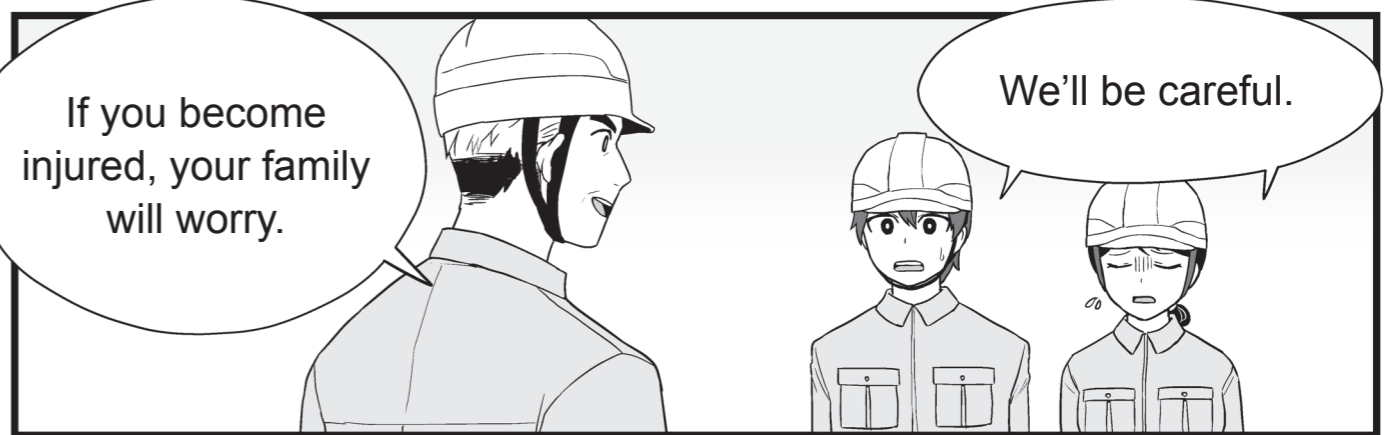


So it's important that both the operator, and the other workers in the area are careful.



If you become injured, your family will worry.

We'll be careful.

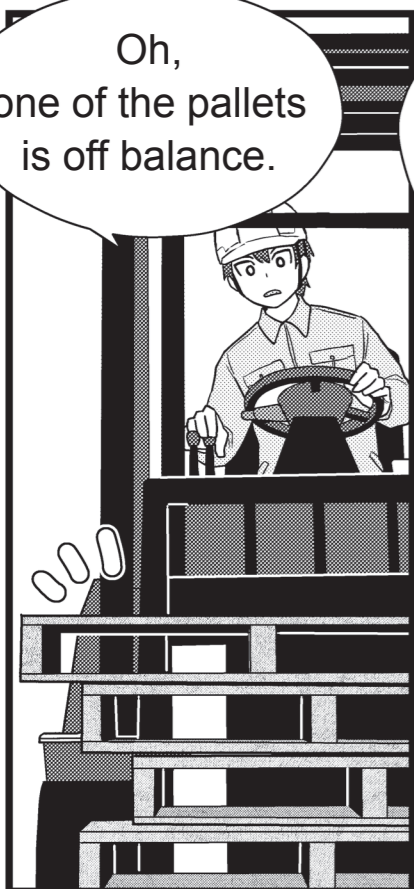


CASE 2

After moving these, I should be able to get done on time!



Oh, one of the pallets is off balance.



I remember...



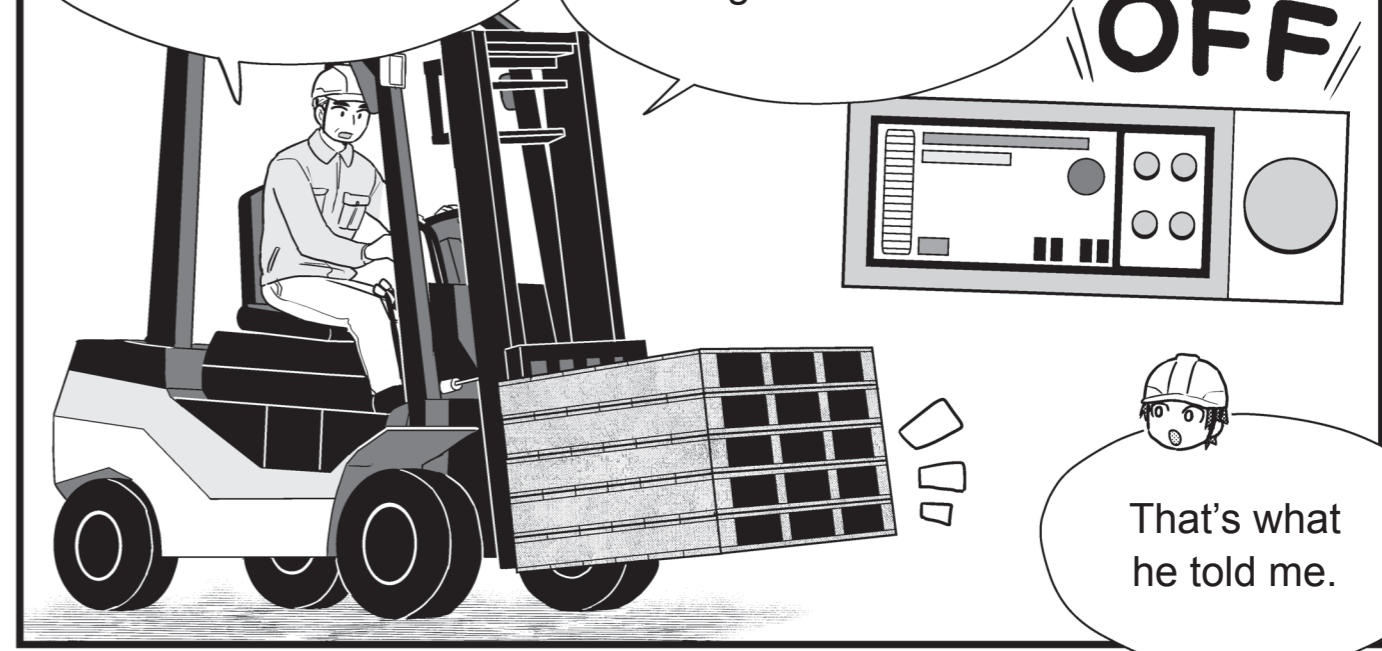
If a pallet is off balance,

there's a risk it may fall.

When you adjust the load on a forklift, make sure to lower the forks to the ground!

And then, turn off the forklift and get off from it.

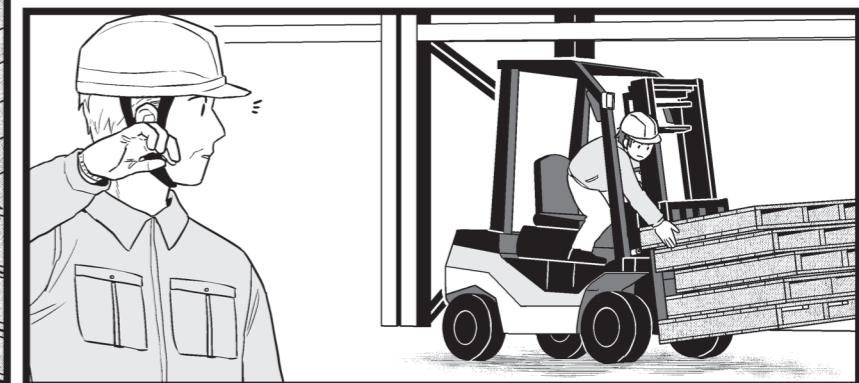
OFF

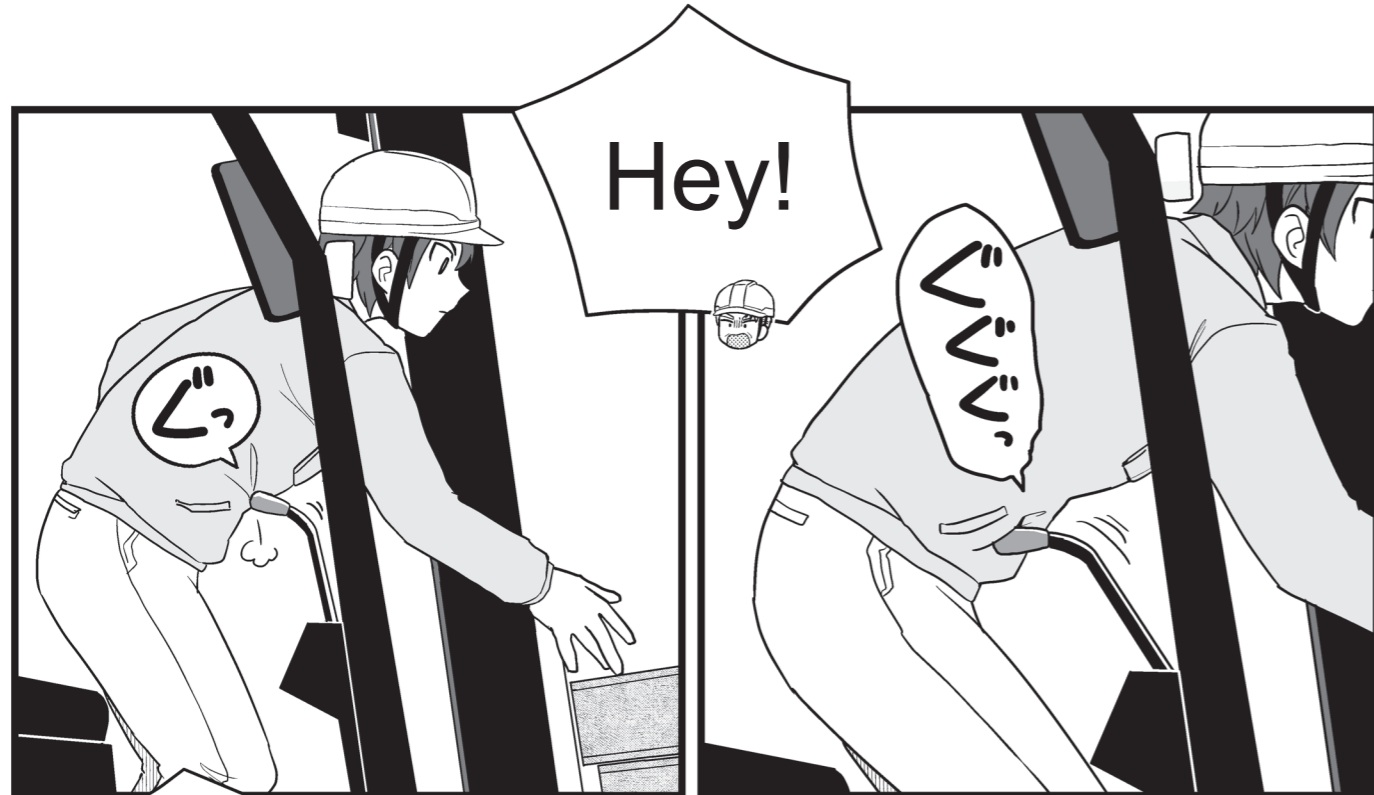


But it's troublesome to get off, so I'll just adjust the pallet from here.



Hey, this is going well!





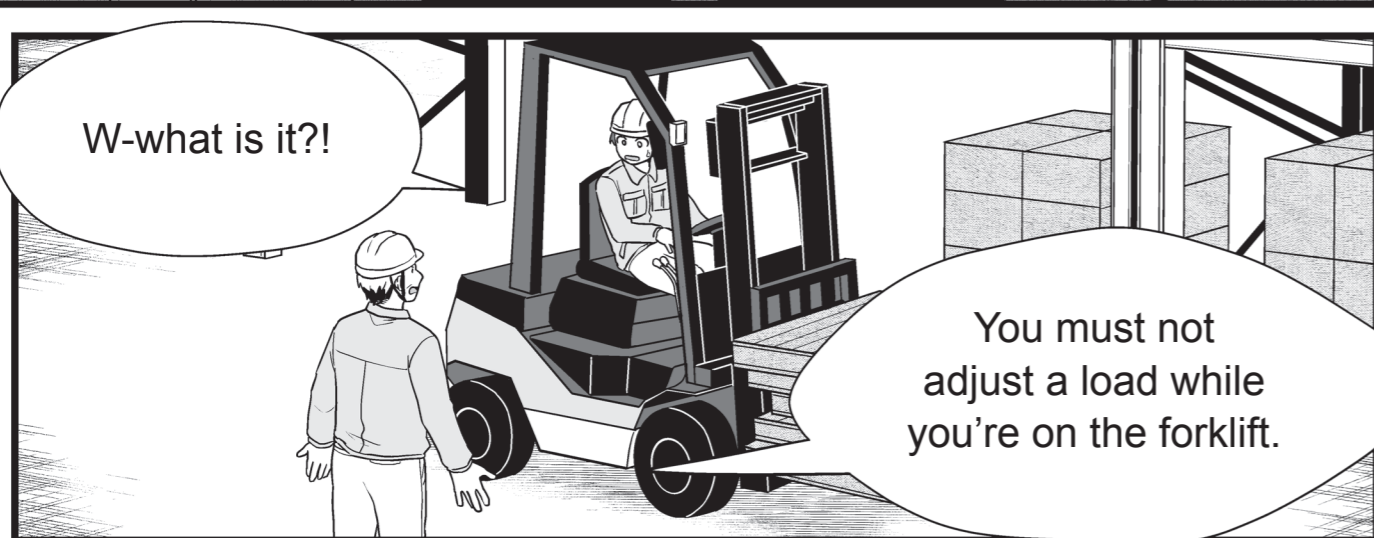
Hey!

アハハ



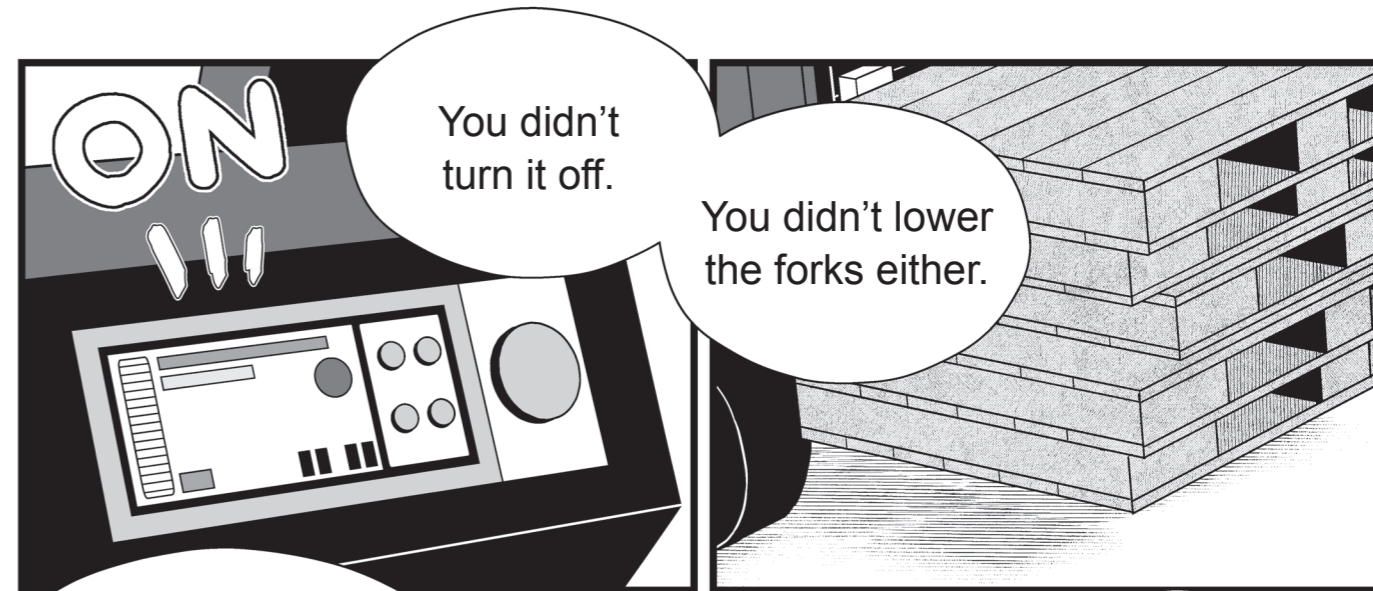
Wait!
The machinery
will move!

ヒッ
フッ



W-what is it?!

You must not
adjust a load while
you're on the forklift.



ON

You didn't
turn it off.

You didn't lower
the forks either.



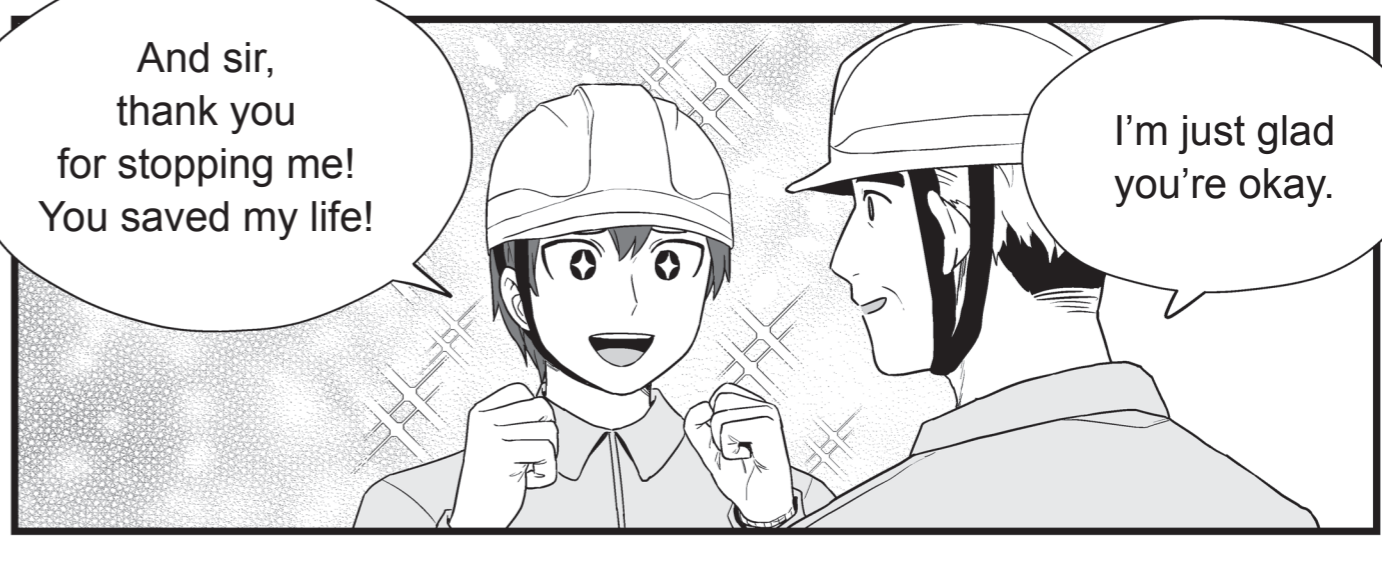
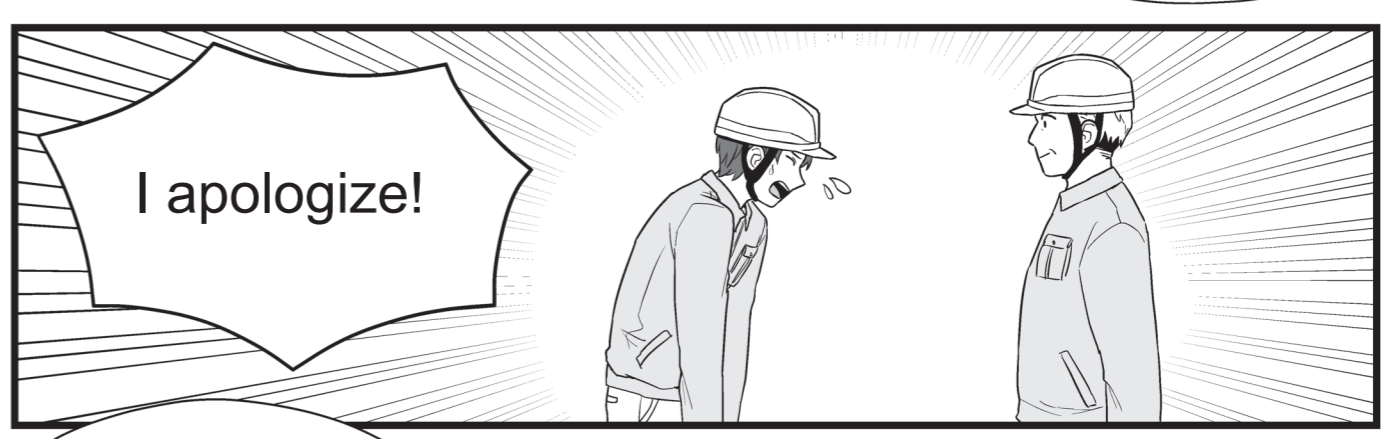
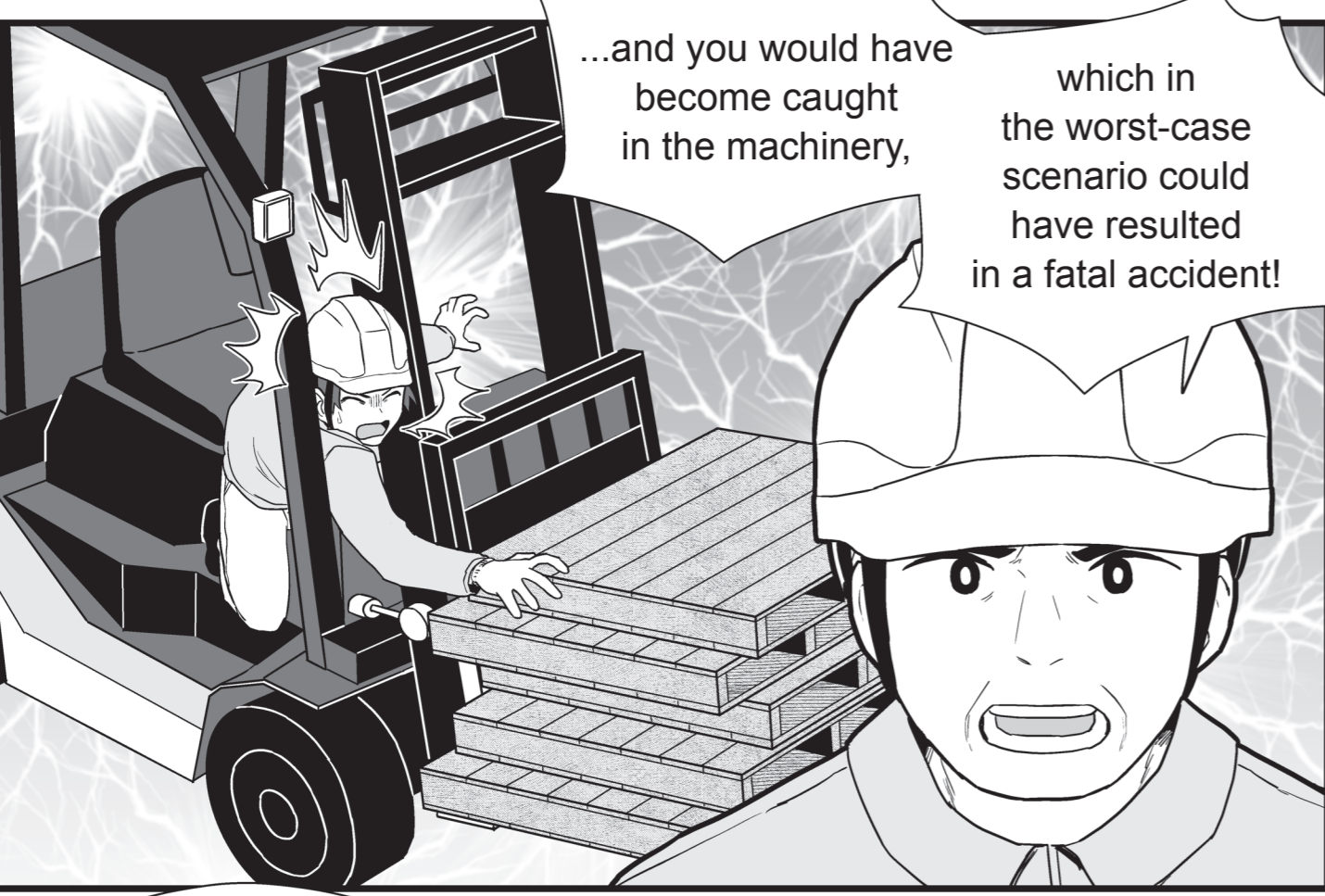
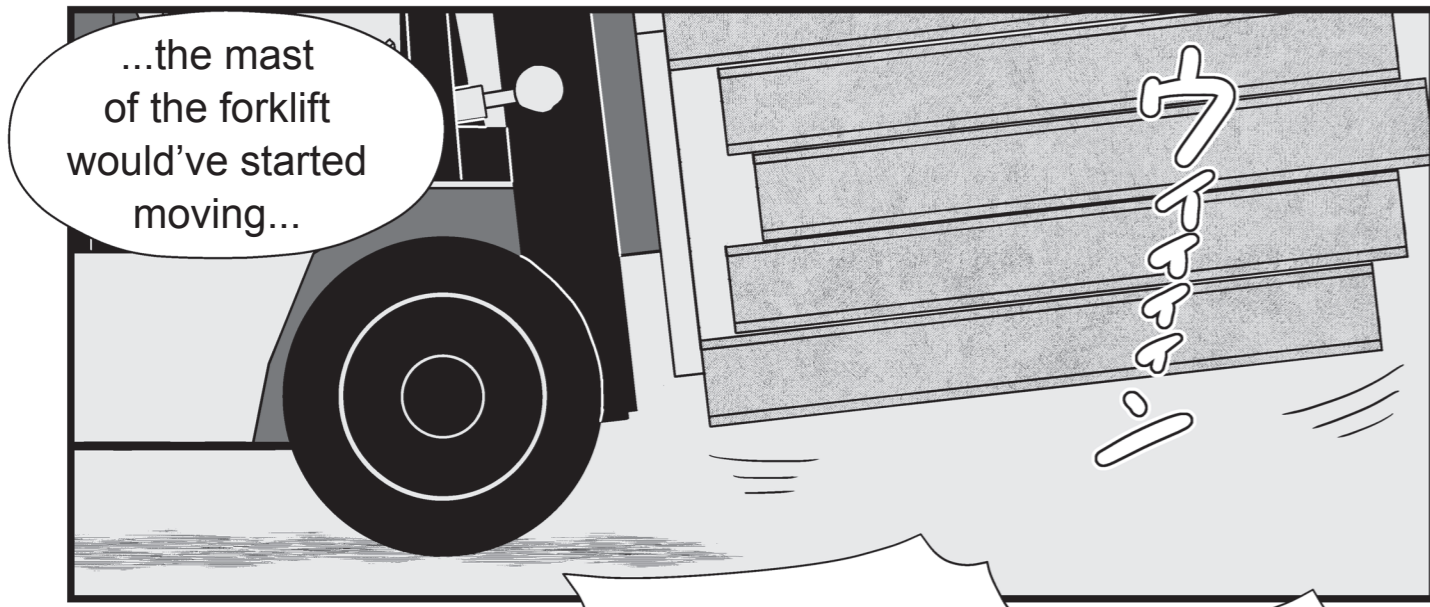
You have to
stick to what you
learned in the course.

I thought
it would be okay
if it was quick.

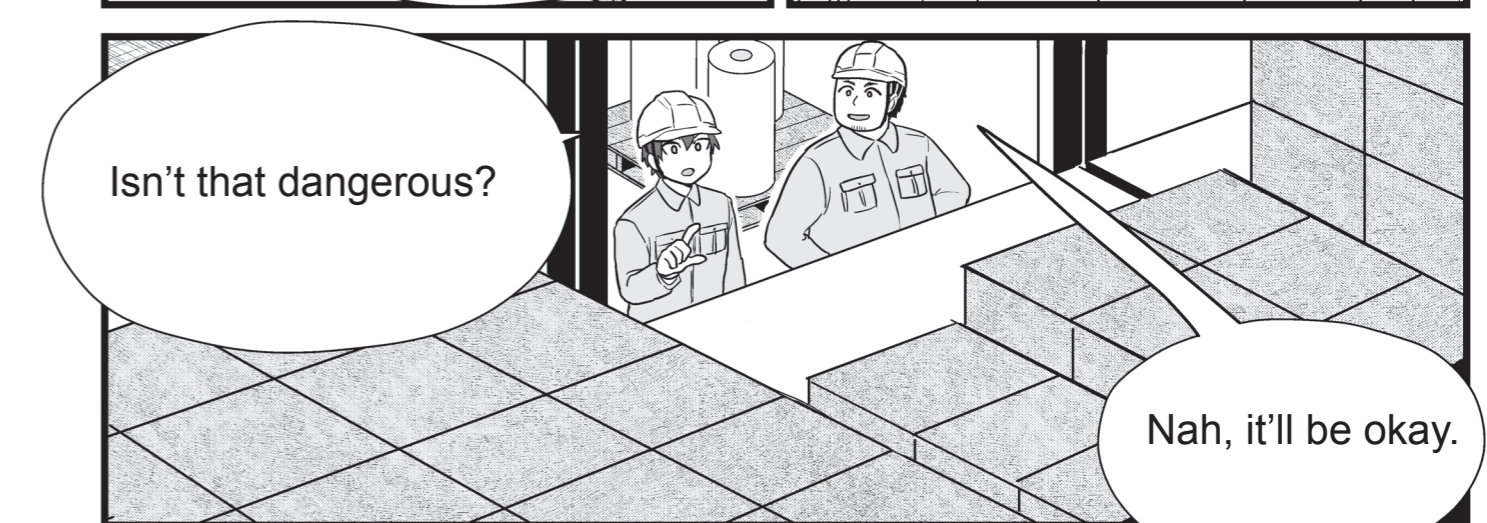
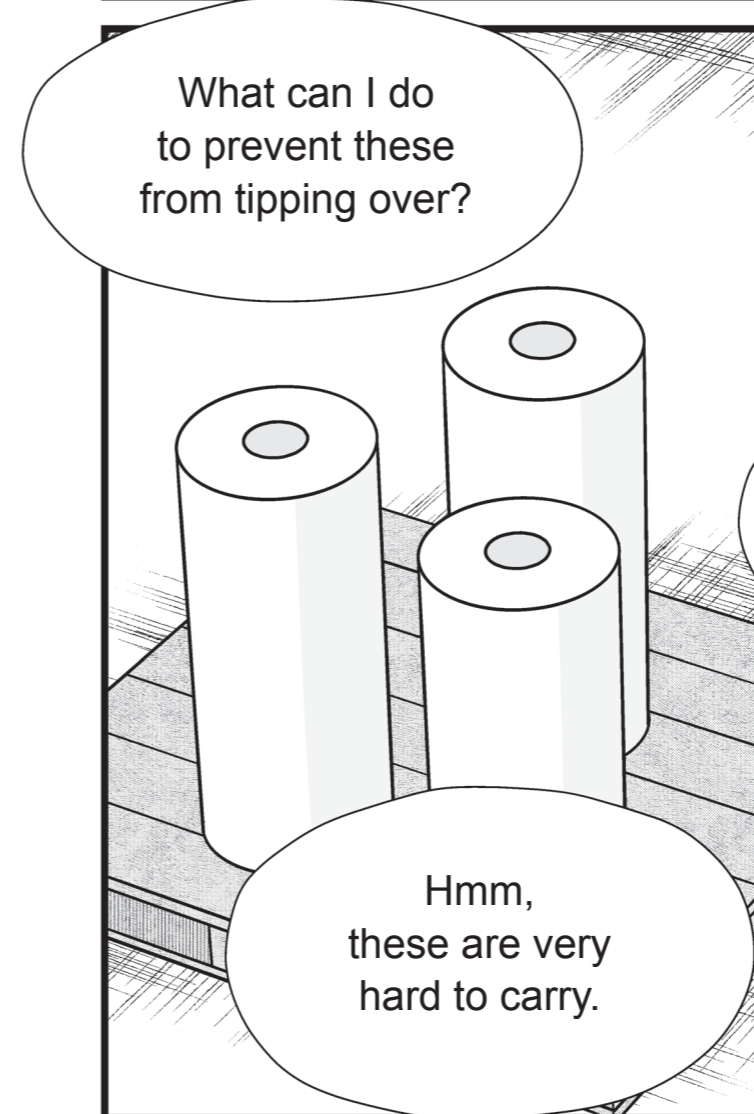
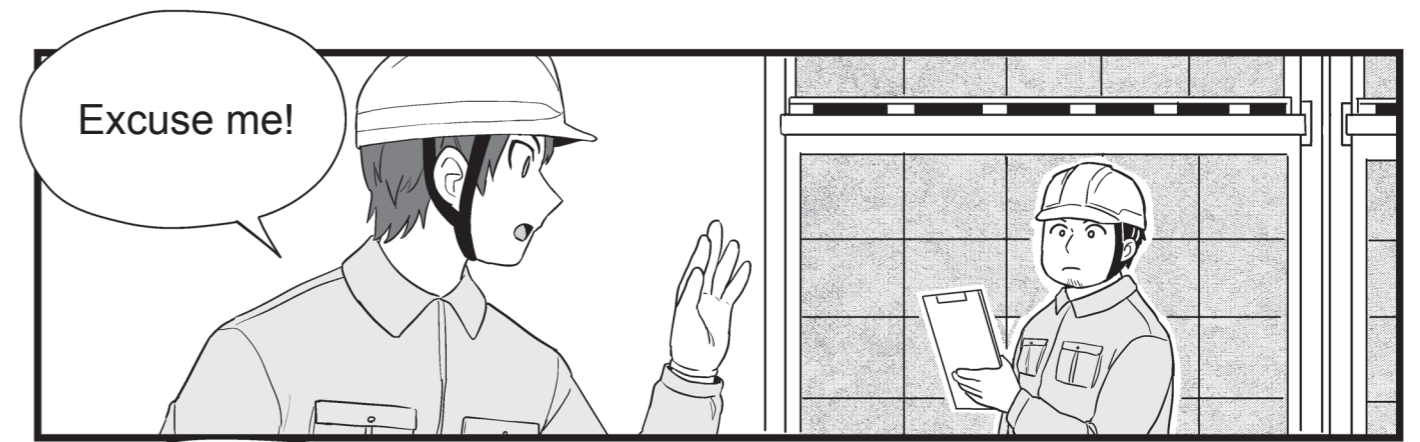
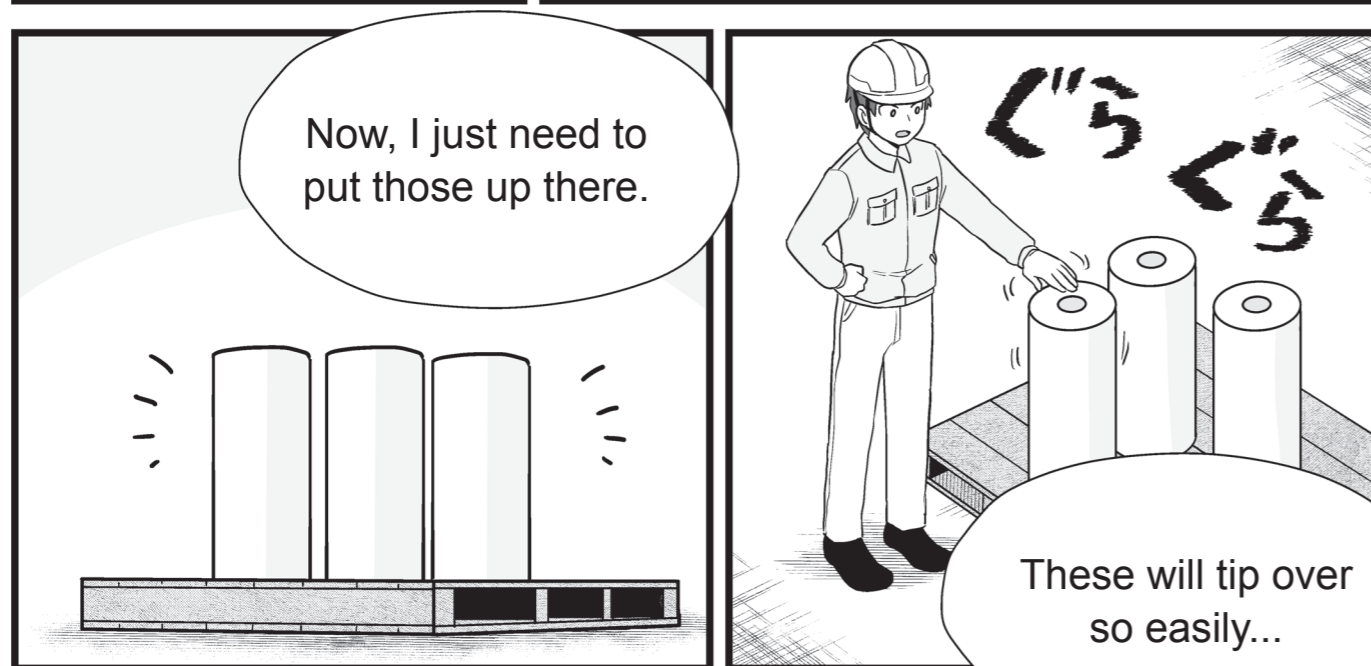


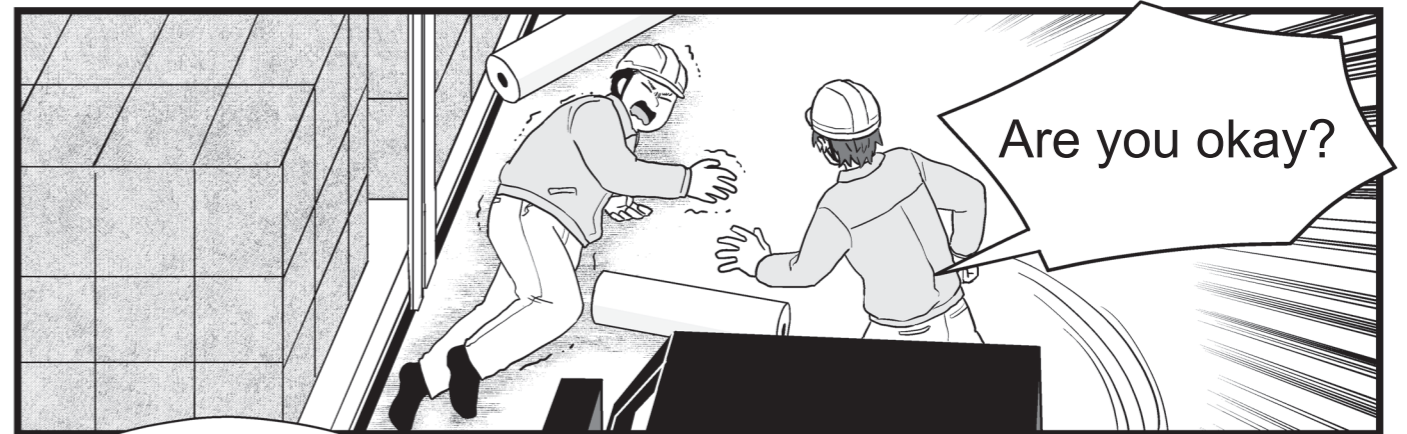
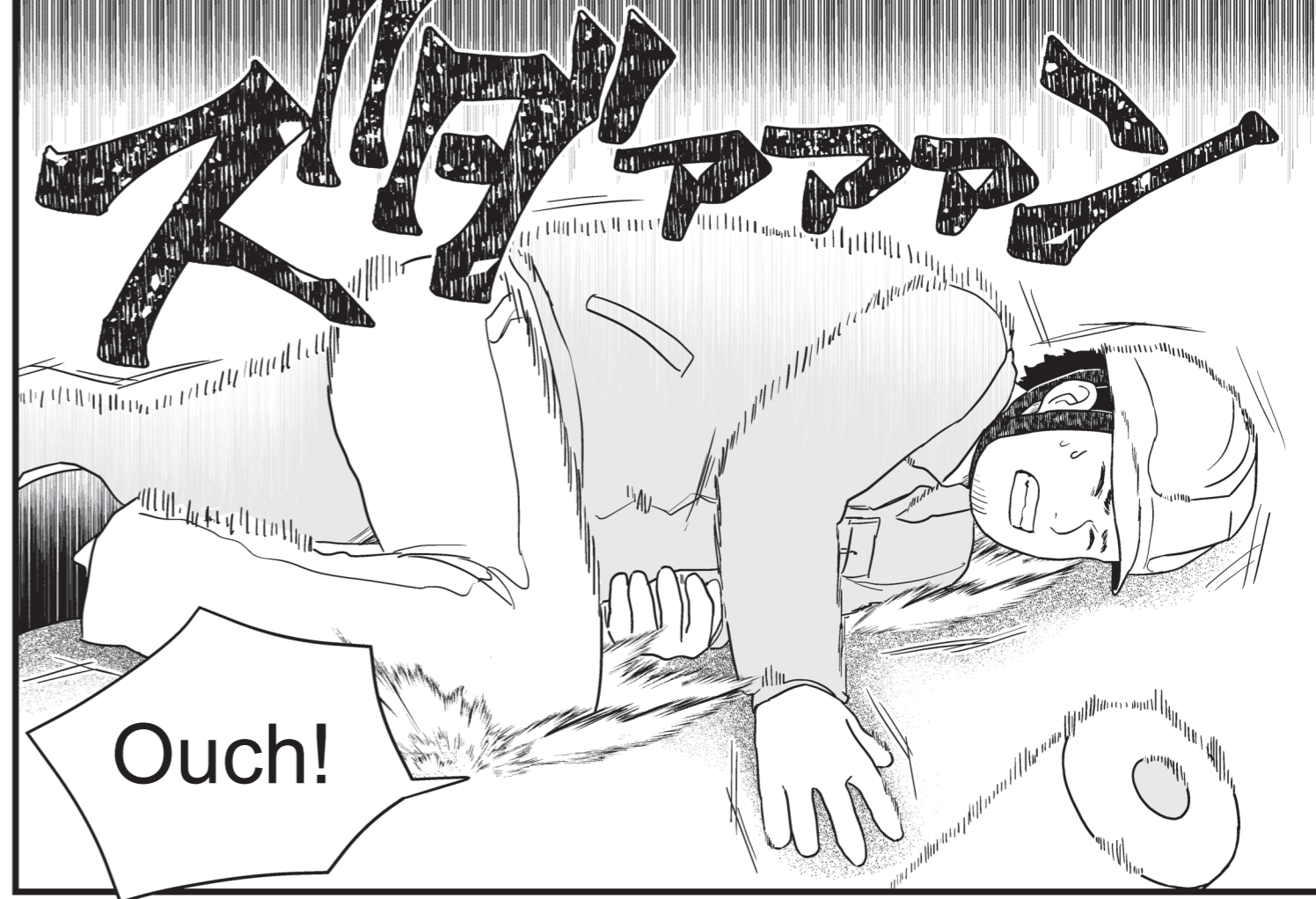
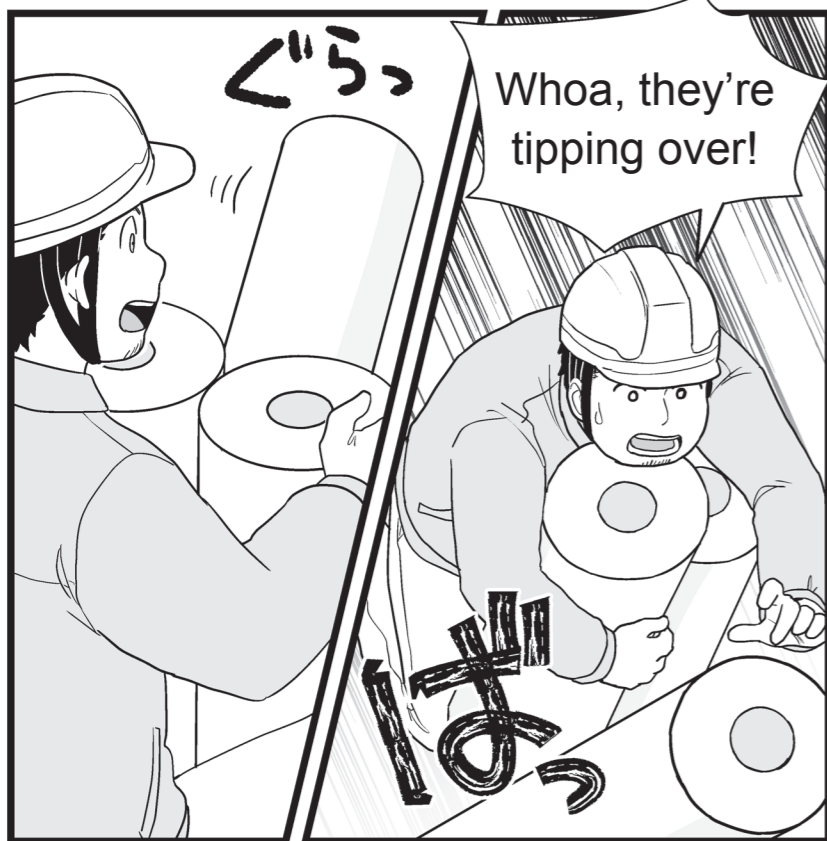
Listen.
This time, it didn't
lead to an accident,

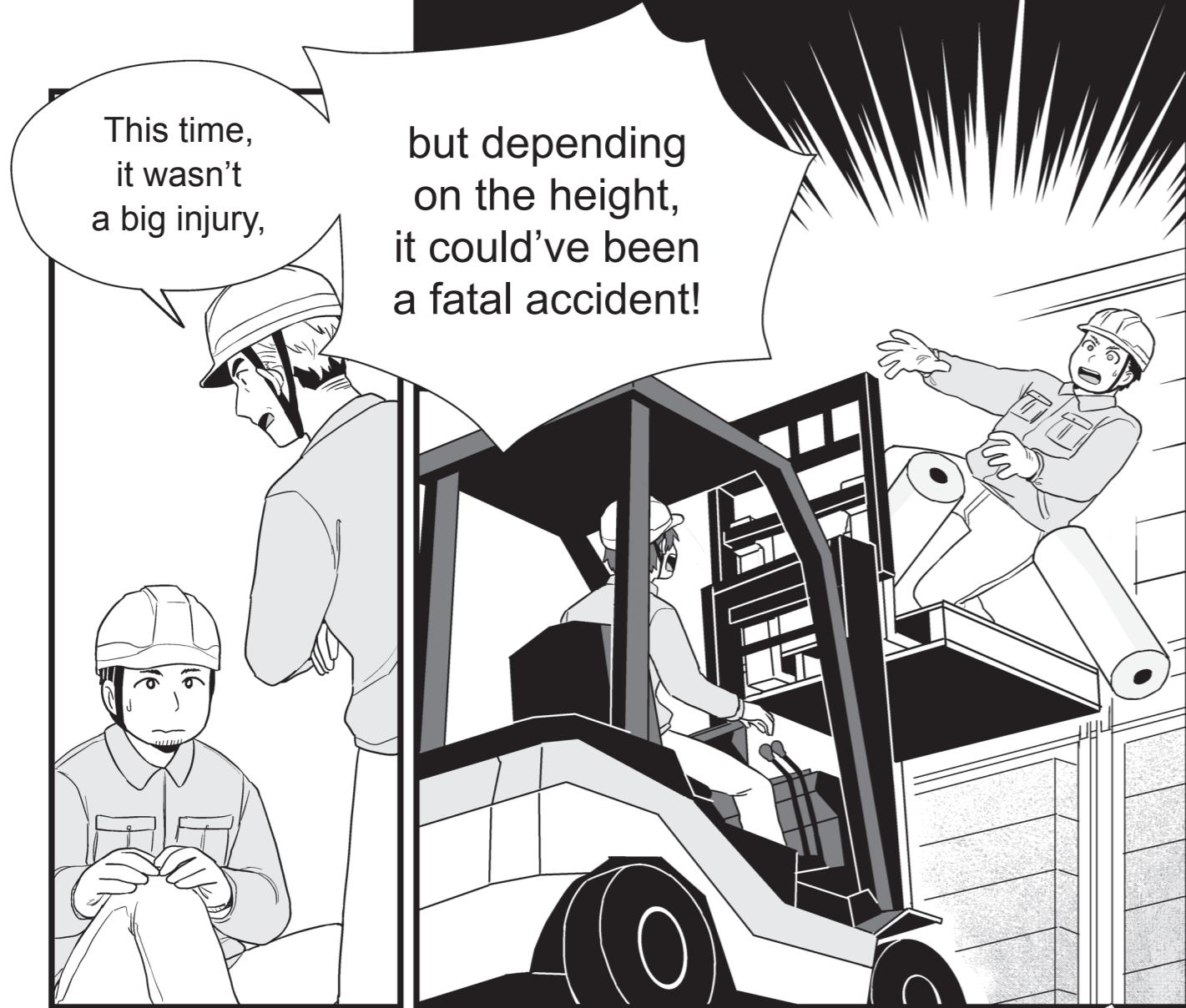
but if you had bumped
the mast operating lever
even a bit more...



CASE 3







This time, it wasn't a big injury,

but depending on the height, it could've been a fatal accident!



Even at that height, there's no telling what could've happened if you had landed head first!

In the first place...

NG

the workplace rules prohibit standing on the forks or using the forklift to work in high places by placing a worker on the forks or pallet at any time!



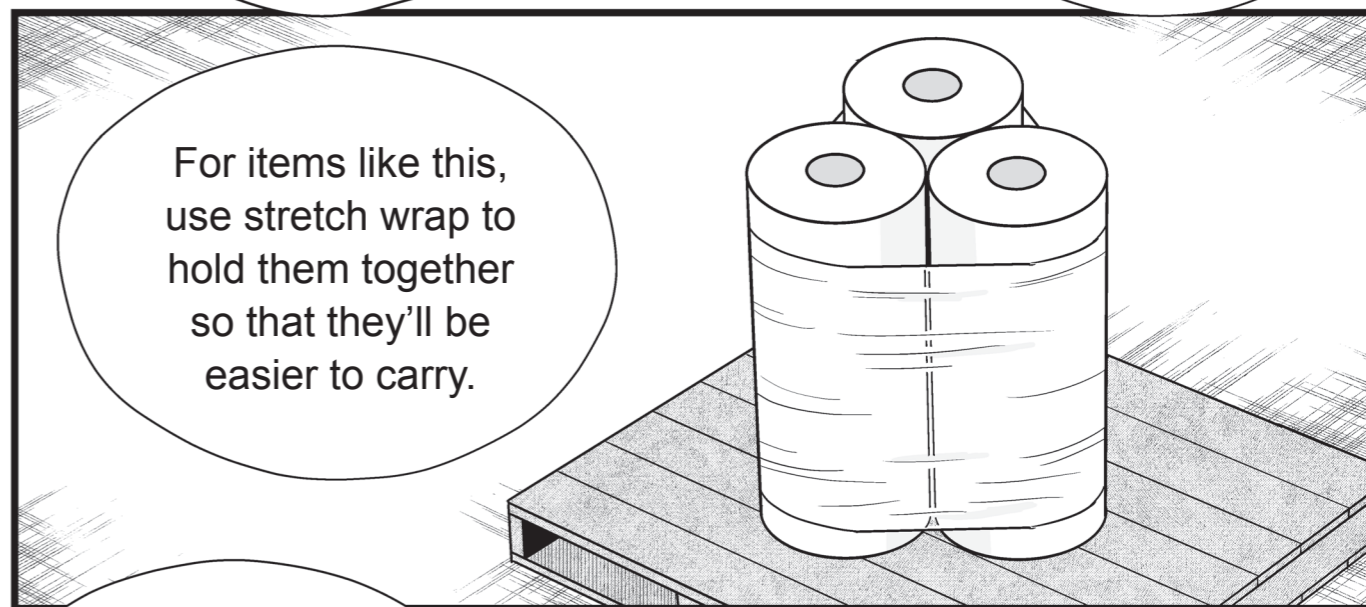
Do not ever do that again!

I'm sorry...



Do not assume that it's always safe.

It's important to maintain an appropriate level of seriousness on a regular basis.



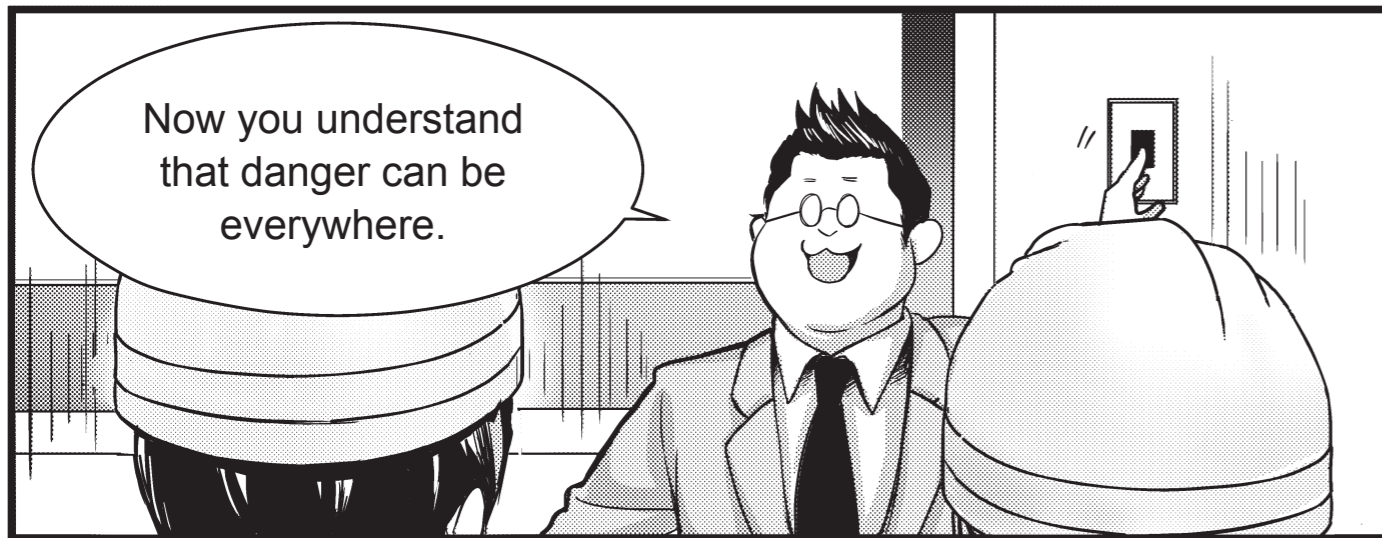
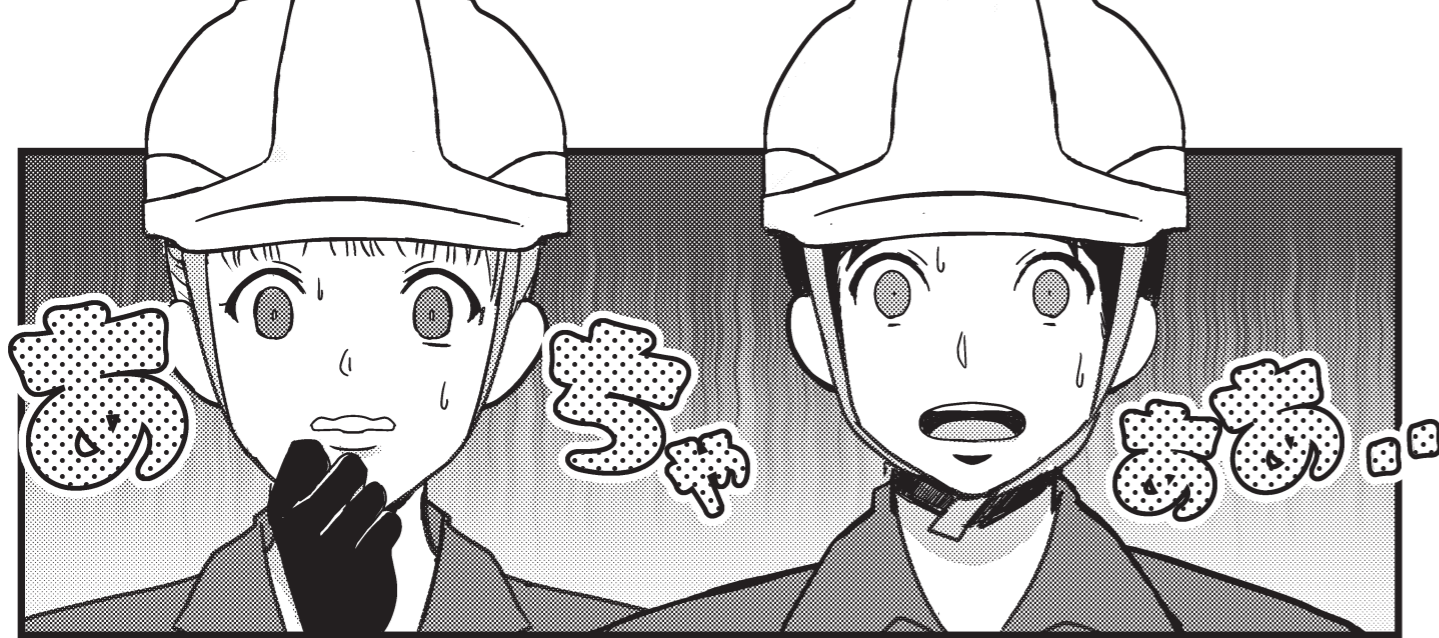
For items like this, use stretch wrap to hold them together so that they'll be easier to carry.



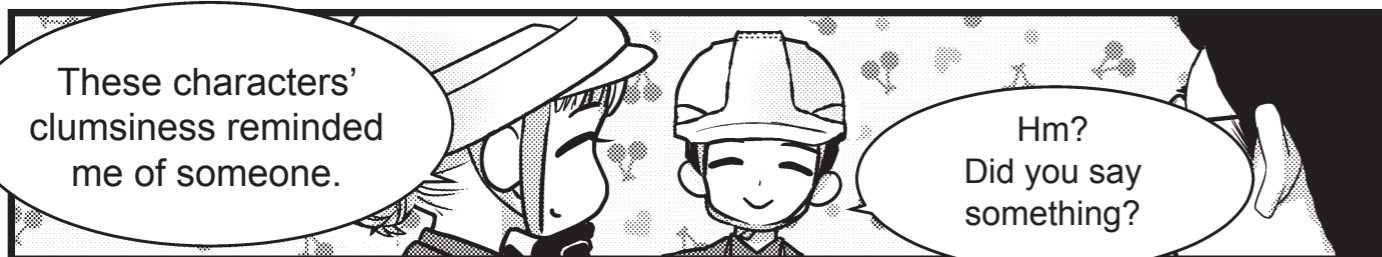
If you don't know something, check with me.

Don't try to figure everything out on your own.

Okay!

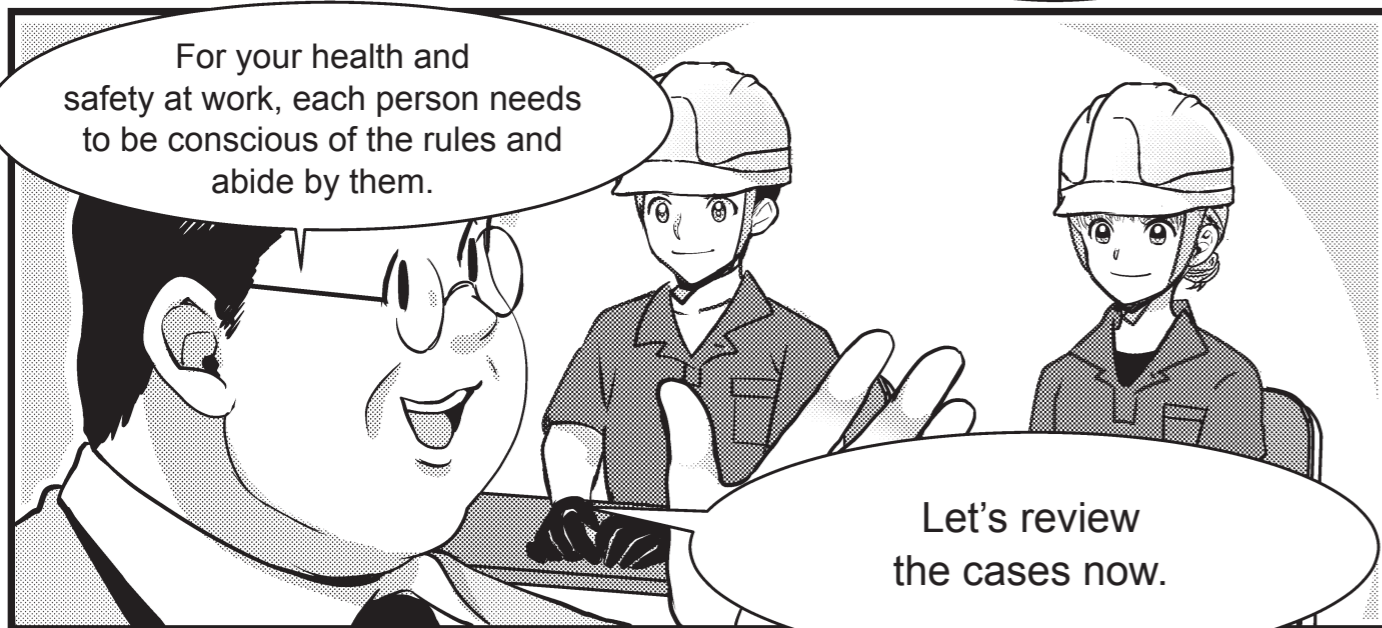


Now you understand that danger can be everywhere.



These characters' clumsiness reminded me of someone.

Hm? Did you say something?



For your health and safety at work, each person needs to be conscious of the rules and abide by them.

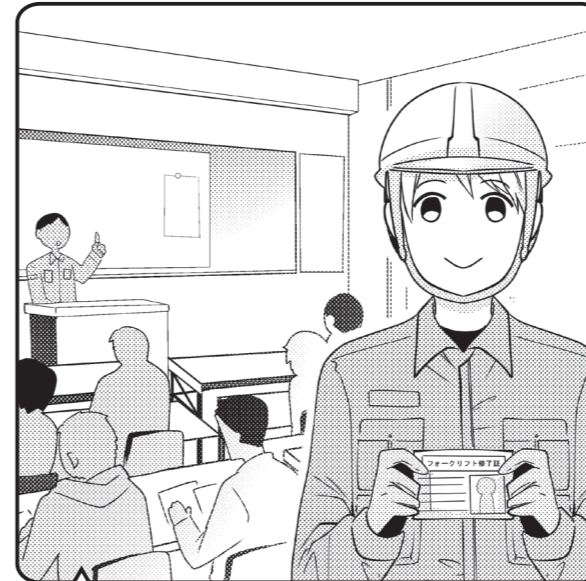
Let's review the cases now.

Precautions to remember when working with forklifts



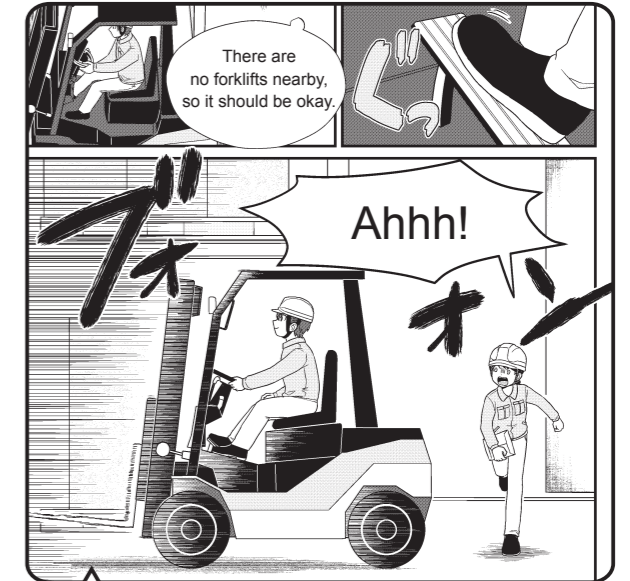
1 | Certificate of Completion of Training Course

* For operating a forklift with a load capacity of less than 1t, one must complete special training.



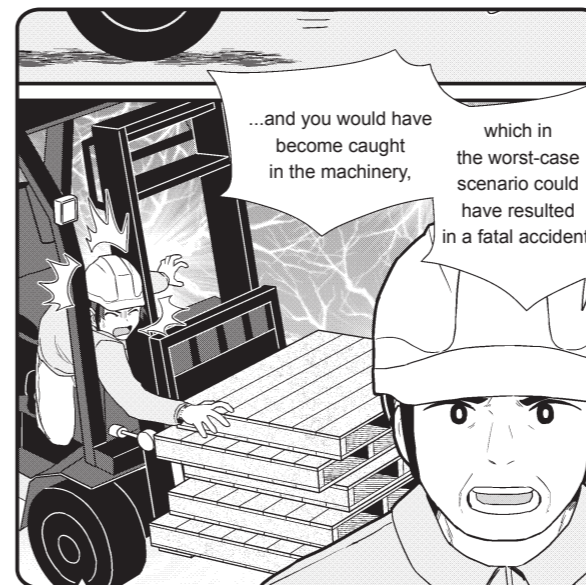
In order to safely operate a forklift, one must complete the training course. Make sure to keep the certificate with you at all times.

2 | Forklift zones



Do not go into forklift-only restricted areas, and don't get too close to a forklift in use at any time.

3 | Getting caught in the machinery



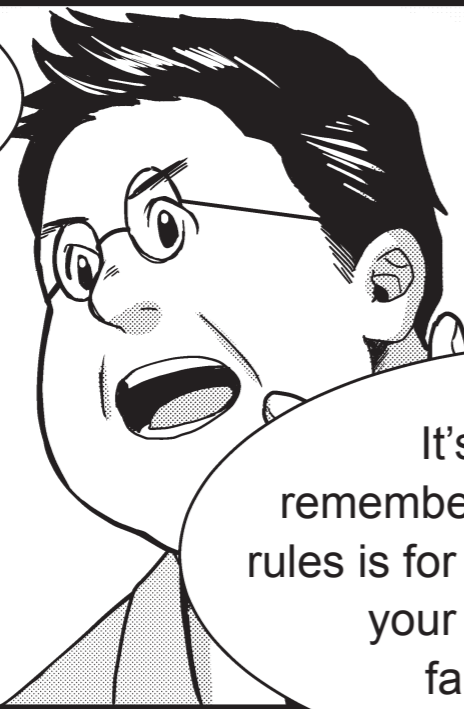
Items loaded on a forklift must only be adjusted after lowering the forks and getting off of the forklift.

4 | Falls from elevated areas



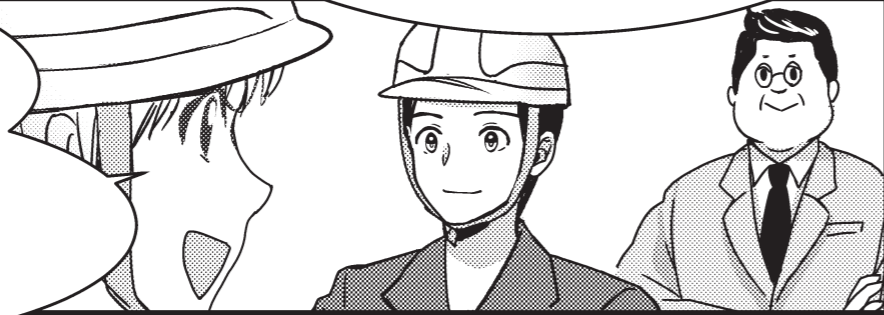
In principle, it is prohibited to have a person on the forks or pallet of a forklift.

Industrial injuries could happen to anyone.



It's important to remember that abiding by the rules is for the sake of protecting your physical health, family, and life.

Daily communication at a workplace is also important in case something happens.



Okay!

I'll follow the rules and work hard every day!



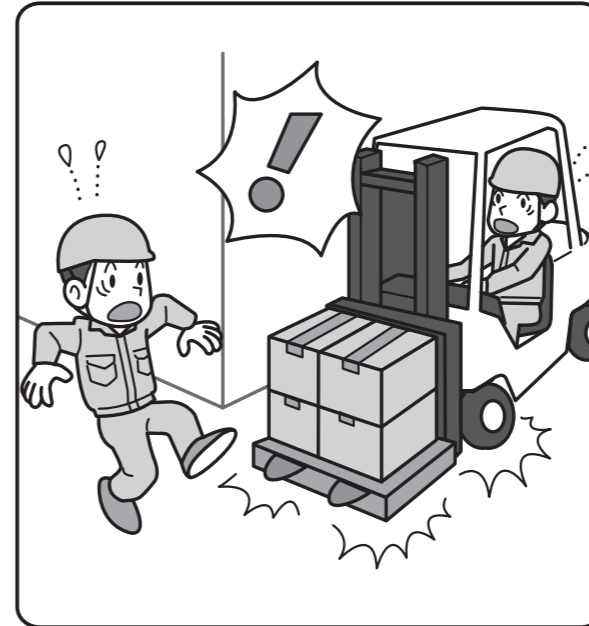
Forklift work

Things to watch out for!

Tips for health and safety!



1 Watch out for people appearing unexpectedly!



2 Watch out for unbalanced loads!



3 Watch out for overloading and load collapse!



4 Watch out to ensure proper parking!



Learn through pictures

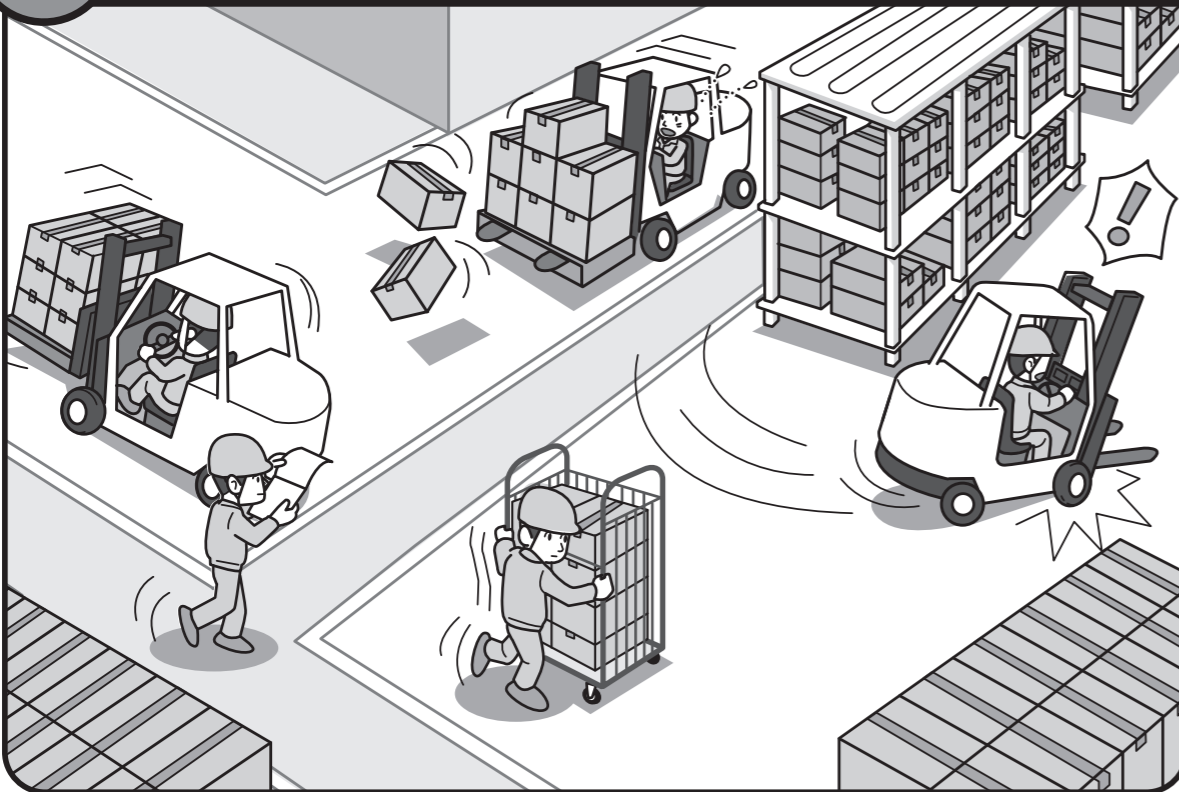
Know the dangers that can be found within the workplace!

Hazard Awareness Training

(Kiken Yochi Training/KYT)

Q

Spot where the hazards are!



A

These are the hazards!

1 Do not go into forklift-only restricted areas.



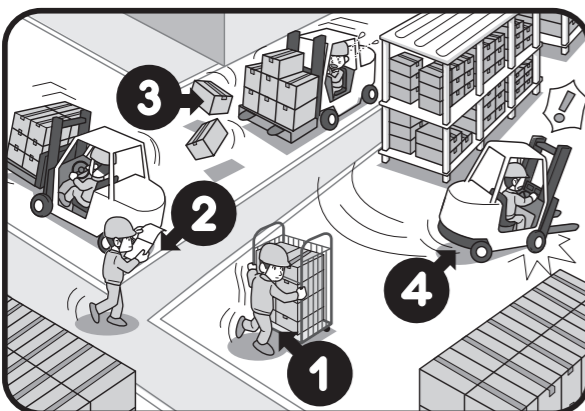
2 Do not walk behind a forklift.



3 Do not overload a forklift.



4 Do not make sudden turns.



Think carefully and see if you can spot any other possible hazards.

Learn through Manga

Health and Safety for Forklifts

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